Starchroom Laundry Journal

First in the Laundry Industry Since 1893

GUIDE TO
LAUNDRY IDENTIFICATION

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OCTOBER, 1956

GUIDEBOOK ISSUE OF THE LAUNDRY INDUSTRY

Beautiful morning . . . if it's *your* shirt he puts on!

Weather-wise it might even be raining as the gentleman prepares himself for the day ahead. But rain or shine, it will be a beautiful morning for you if he dons a shirt your plant has turned out.

One way to make sure he does (morning after morning) is to give him *exactly* what he wants . . . a smooth, fresh crispness to the collar and cuffs, a soft, comfortable ease to the body.

The best way to do this, of course, is to starch with VELVET RAINBOW. This high-quality wheat starch produces shirtwork that's sure to please the most particular customer . . . and all for less than one penny for every five shirts. VELVET RAINBOW shirts finish easier, too. So why wait? Call your jobber for a trial drum of dependable VELVET RAINBOW today.

• • •

Ask your jobber about Huron's free newspaper mats and other promotional material designed to help *you* sell *your* professional laundry service.

VELVET RAINBOW STARCH

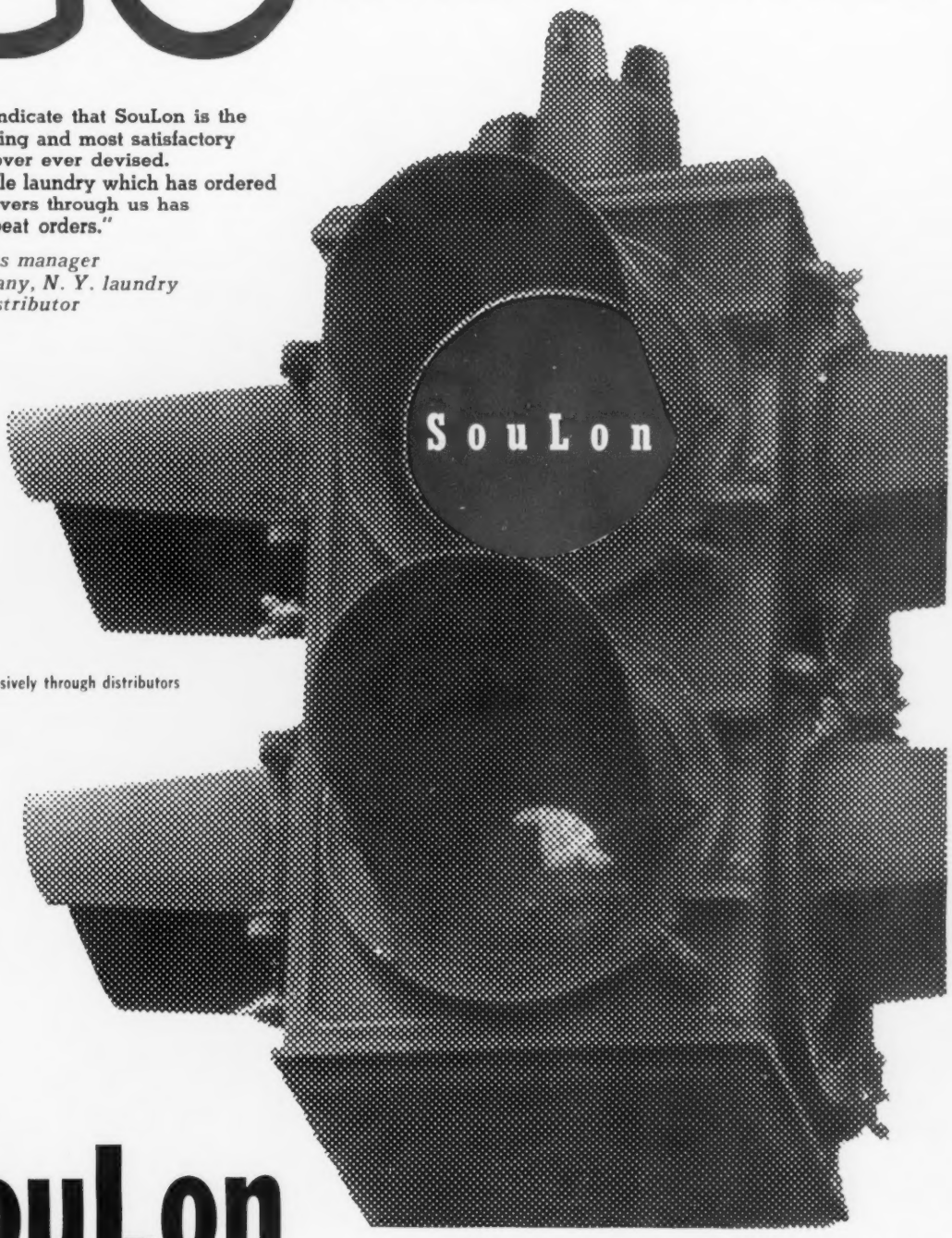
GUARANTEED 50% VELVET WHEAT

THE HURON MILLING COMPANY. Executive Office: 3101 N. WOODWARD, P. O. BOX 9, ROYAL OAK, MICHIGAN. Sales Offices: 9 PARK PLACE, NEW YORK 7; 161 E. GRAND AVE., CHICAGO 11; 383 BRANNAN ST., SAN FRANCISCO 7; 607 SECOND NATIONAL BLDG., CINCINNATI 2. Factory: HARBOR BEACH, MICHIGAN.

GO more months with SouLon

"Reports indicate that SouLon is the most amazing and most satisfactory laundry cover ever devised. Every single laundry which has ordered SouLon covers through us has placed repeat orders."

From sales manager of an Albany, N. Y. laundry supply distributor



Sold exclusively through distributors

SouLon

Flat Work Ironer Covers
are 100% Dacron!
Fully Guaranteed!

SOUTHERN MILLS, INC.

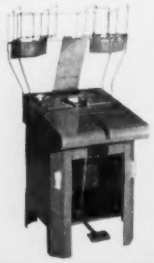
585 WELLS STREET, S. W., PHONE JAckson 4-1991, ATLANTA 3
10-103 Merchandise Mart, Phone Delaware 7-5193, CHICAGO 54
1641 South McGarry Street, Phone Richmond 7-0261, LOS ANGELES 21
1627 West Fort Street, Suite 515, Phone Woodward 1-9673, DETROIT 16
4924 Greenville Avenue, Phone Forest 8-4377, DALLAS 6
233 Broadway, Phone Beekman 3-9260, NEW YORK 7

BISHOP *Laundry* WORK-SAVERS

Cut costs—boost production and profit—give lifetime service

LIQUID SOAP MAKER

Saves time and supplies. Galv. steel in 3 sizes: 30-gal., 60-gal., 100-gal.



FRONT-FOLD SHIRT FOLDER

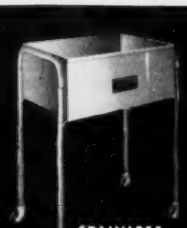
With heated expanding collar mold for heart-shaped collars; X-ray Guide Light for fast, straight folds. No. B1-3

STARCH COOKERS

All copper, double-walled, permanently insulated. In 15, 25 and 50-gallon sizes.

SORTING REEL

Assemble 25 bundles (150 nets) in 5 minutes in 10' x10' area. No. B12-2.

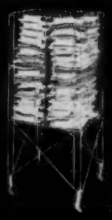


STAINLESS PREPARATION TRUCK

Ideal damp box, 18"x25" x11" deep, 34½" high, on 3" wheels. No. B2-122.

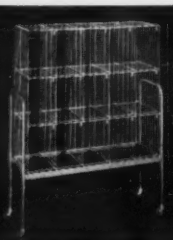
IRONING BOARD

53" steel top; iron rest; sponge cup; cord holder; pilot light assembly, and sleeve board. No. B4-5M.



BISHOP SHIRTRANSPORTS

Cut handling ⅔; fold up to save space. All steel. In 2 sizes: B29-50 (for 50 shirts); B29-100 (100 shirts).



SORTER-TRANSPORTERS

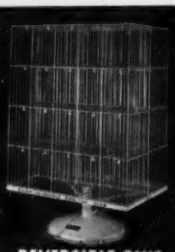
Banish fixed bins; admit light, air. 15 or 20 bins for shirts, for apparel. Write for details, prices.

BISHOP PUF-FINISHERS

Heads *tilt* over board; no reaching. B5-18X (shown): #3, #22, #52 heads, spray iron, spray gun.

REVOLVING SORTER

50 bins in arm's reach to sort twice as fast in half space. Turns at flick of finger; holds 500 shirts. Won't tip. No. B26-10.



REVERSIBLE BINS

Sort into one side, wrap out on other. Cut steps, handling. 15 or 20 bins per side. Ask for details.

Buy Now...SAVE from now on!

Economy
Permanence
Corrosion-Resistance

BISHOP
Lifetime Stainless
TRUCK TUBS

Safety
Cleanliness
Efficiency

BISHOP No. 2 Stainless Steel Truck Tub, 22"x34"x25", with steel tread casters, drainboard. **No. B2-9**
Same, with rubber tread casters, **No. B2-10**
BISHOP No. 3 Stainless Truck Tub, 26"x36"x25", steel tread casters, drainboard. **No. B2-17**
Same, with rubber tread casters, **No. B2-18**

Your first cost is your last when you invest in BISHOP Lifetime Stainless Steel Truck Tubs. For 20 years or longer, you can expect lowest-cost handling of the wash—with greatest ease, complete safety. Stainless steel won't rust or corrode; is not affected by washroom chemicals. The shiny surface stays smooth . . . no roughness or splinters to snag fabrics or fingers. Heavily-built, properly balanced—they push effortlessly, turn in their own length . . . speed handling; pay their cost in faster production. Limited supply is available for immediate delivery.

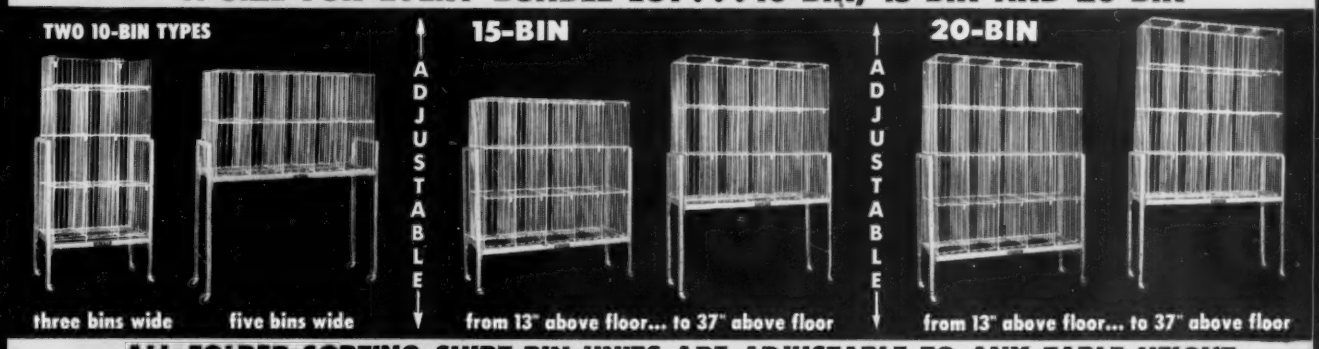
Bishop David Freeman Co. LAUNDRY AND CLEANING PRODUCTION EQUIPMENT

FORMERLY: BISHOP (EST. 1893) . . . Davis . . . Dryco EVANSTON, ILLINOIS

Save $1,000 Annually
(and 50% of sorting time)
per Shirt Unit!

SORT at the FOLDER
with BISHOP
SHIRT-BIN UNITS
for Any Lot System

A SIZE FOR EVERY BUNDLE LOT . . . 10-BIN, 15-BIN AND 20-BIN



ALL FOLDER-SORTING SHIRT-BIN UNITS ARE ADJUSTABLE TO ANY TABLE HEIGHT

Bid goodbye to the shirt-sorting department . . . its labor, its space, its walking and handling. Stop mix-ups, losses, service delays. Now your folders can do the sorting—faster, better, more economically, and give you 50% more sorting—with Bishop Folder-Sorters. You save at least one handling per shirt. Bundles go direct from folder to checker-wrapper without in-between handling that causes losses and breaks down quality. With a Bishop 10-Bin, 15-Bin or 20-Bin Folder-Sorter at each shirt table, your folders sort as they go—without loss of folding production, with fewer sorting errors—and cut hours per day from bundle-processing time.

MODELS & PRICES	1 or 2 UNITS	3 to 5 UNITS	6 UNITS or more
FOR SHIRTS ONLY (BINS 10" WIDE, 15" HIGH, 18" DEEP)			
10-Bin Unit, Model B29-1010H	$69.50 ea.	$68.00 ea.	$66.50 ea.
10-Bin Unit, Model B29-1010W	$69.50 ea.	$68.00 ea.	$66.50 ea.
15-Bin Unit, Model B29-1510	87.50 ea.	85.50 ea.	83.50 ea.
20-Bin Unit, Model B29-2010	97.50 ea.	95.50 ea.	93.50 ea.
FOR SHIRTS & WEARING APPAREL (BINS 13" WIDE x 15" x 18")			
10-Bin Unit, Model B29-1013H	79.50 ea.	78.00 ea.	76.50 ea.
10-Bin Unit, Model B29-1013W	79.50 ea.	78.00 ea.	76.50 ea.
15-Bin Unit, Model B29-1513	97.50 ea.	95.50 ea.	93.50 ea.
20-Bin Unit, Model B29-2013	107.50 ea.	105.50 ea.	103.50 ea.

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Bishop David Freeman Co.
MANUFACTURERS, EVANSTON, ILL., U.S.A.

Starchroom Laundry Journal

PUBLISHED MONTHLY SINCE 1893

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All colors...in all sizes...all of the time...

Best for visual identification

Best for quality and performance

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Comes in choice of six colorfast stripes:

RED • GREEN • GOLD
BLUE • BROWN • BLACK
and all WHITE

GROMMET GRIP®

New plastic-reinforced grommet adds life to nets; permits quick pinning; nets open to full width.

THEY'RE GIBRALTARIZED — This means they're pre-shrunk to retain shape and size for life of net.

KNITTED, HEAVY CONSTRUCTION — for long life and rough handling.

GUARANTEED NOT TO OPEN AT SEAMS — double-sewn with overlock and lock stitch.

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14 x 20 21 x 36 21 x 33 28 x 36
18 x 30 24 x 36 30 x 40

There is no better net on the market at any price.

All Gibraltar Products are sold by leading distributors everywhere.

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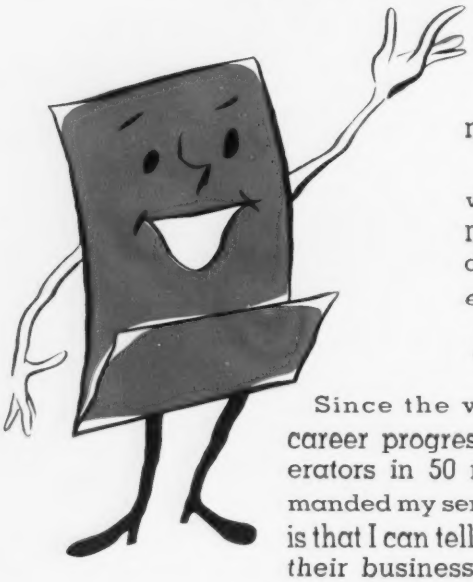
254 - 36th Street, Brooklyn 32, N. Y.

Polymark's

MR. TAB MEANS BUSINESS

...More Profitable Business for You

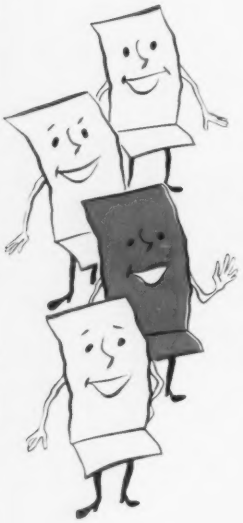


I am Mr. Tab. Modestly, I must refer to myself as a child prodigy, a mastermind.

I was born in London, England, in 1948, with the Polymark machine, and served my apprenticeship in the leading laundries of Great Britain and Europe before emigrating to the United States in 1953.

*

Since the very start of my career progressive laundry operators in 50 nations have demanded my services. The reason is that I can tell them more about their business than they ever knew before . . . and I can shave their costs, whittle their losses, and bolster their profits. This makes me very popular with treasurers.

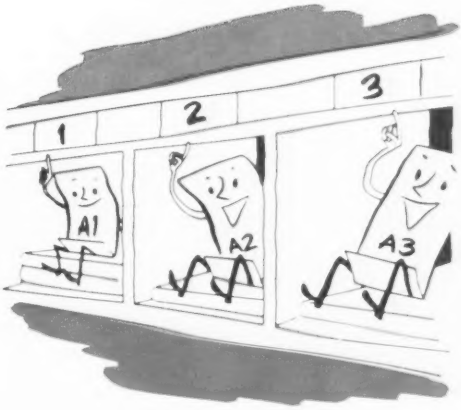


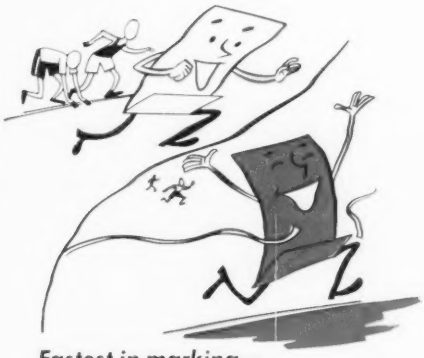
How can I perform these miracles? By providing temporary full identification of every item in the laundry.

At a glance I can tell an operator the lot, the customer, the in-date, the out-date, and I can identify specials and washovers.

I come in 12 different colored tapes and carry 5 characters imprinted automatically by the Polymark machine. I adhere to the piece firmly, and withstand all laundry and dry cleaning processes.

Managers like me because I'm systematic, adaptable, dependable, and I provide the smoothest work flow they ever had, all through the plant. The girls in the marking and sorting rooms adore me . . . no more poring over a marks register or fussing with messy ink stains.



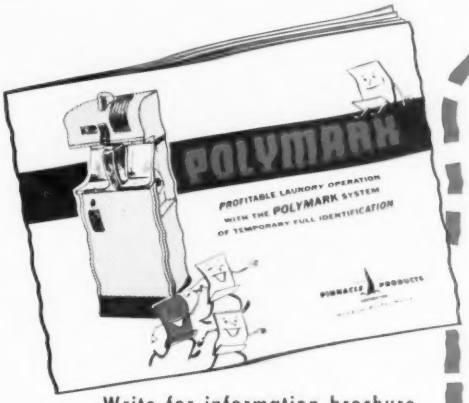


Fastest in marking—
Fastest in checking out

Your customers will never see me, but they sure appreciate having all their fine linens, shirts and lingerie returned without a mark of any kind.

*

A special brochure has been written all about me and the Polymark machine. You'll find it enjoyable and profitable to read. Send for it today!



Write for information brochure

Polymark Division

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SOUTH
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Cummings Landau Laundry Machinery Co.
H. Kohnstamm and Company, Inc.
Lako Chemical Supply Company
Norton and Williams, Inc.
West Side Corporation

NORTHEAST
Craig Supply Company
G. W. Robinson Company
M. Gilston, Inc.

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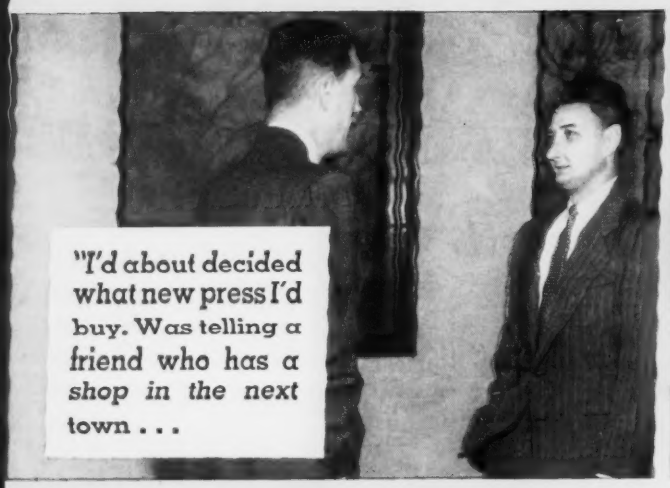
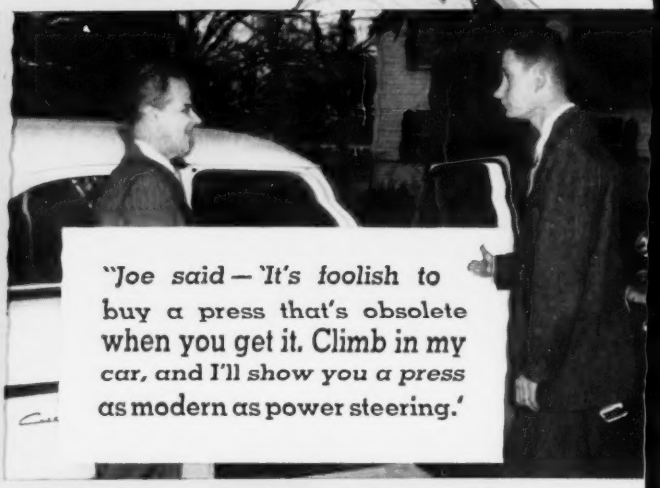
Chemical Sales Company
H. H. Coleman Company
Fry Brothers Company
I. G. Weingaertner and Son, Inc.

WEST
Goss-Jewett and Company
Southern California
John P. Lynch Company
Northern California

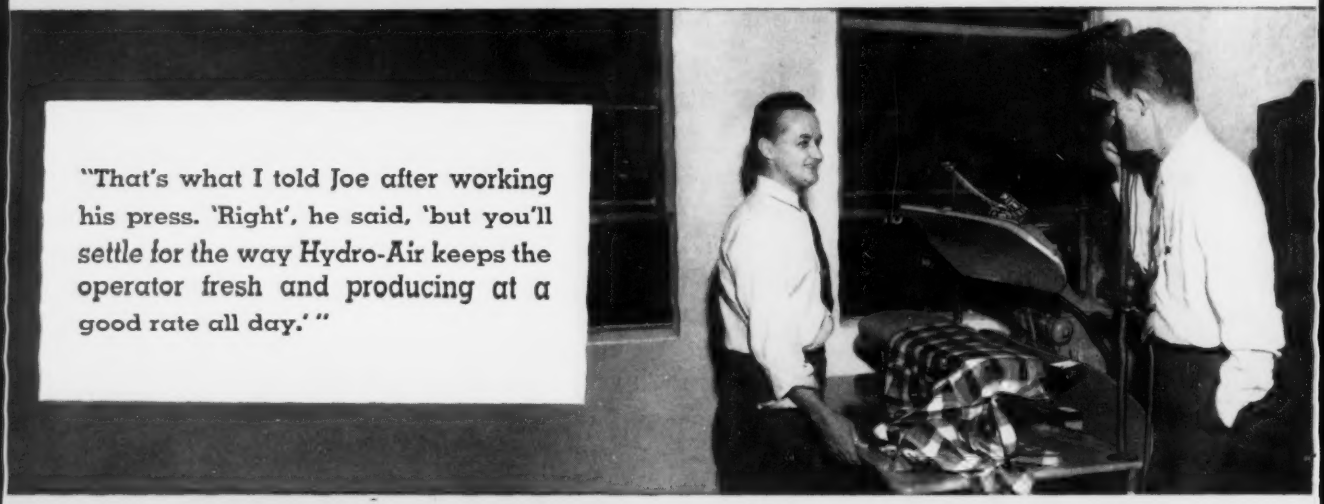
"In 5 minutes I found out how foolish I was ready to be..."

— *says Homer Letarte, owner of Sno-Wite Cleansers and Launderers*





"A man should work a HYDRO-AIR for free!"



Get the most for your equipment dollars . . . look into the HYDRO-AIR before buying any new press.

To see how way ahead its engineering is, you need only try a *Hydro-Air*, as Homer Letarte did. Learn how much easier pressing is when old-fashioned leverage is eliminated . . . and when helped by other modern *Pantex* developments like adjustable pressure, "under table" bar control for instant head closing, toe-tip vacuum and lock release, fast head steam and variable buck steam. They add up to more production, more profit, quick training of "green" help.

Users will tell you about less downtime and less maintenance, too. Send for folder that explains all.

PANTEX MANUFACTURING CORPORATION
Box 660G, Pawtucket 10, Rhode Island

Send me booklet about Hydro-Air Presses

Name & Title .....

Firm .....

Street & City .....

Pantex *Hydro-Air*

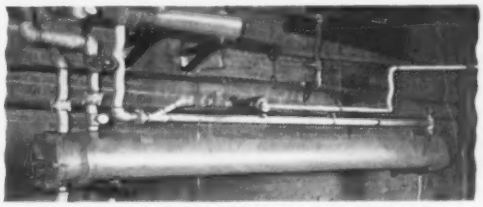
AIR OPERATED DRYCLEANING PRESS

How to get plenty of clean, hot water ECONOMICALLY!

FOR OVER SIXTY YEARS we've specialized in the water heating problems of laundries. Our engineers can study your own hot water needs from the boiler to the wash wheel and recommend the right equipment to supply adequate hot water. Always with the idea of greatest economy, we will take care of the engineering design, selection of materials, sizes, and designs.

OPEN TYPE PREHEATER

Instead of running hot waste water to the sewer, use a Whitlock Open Type Preheater to heat up to about 30% of your hot water needs, and at no added expense for fuel. It permits you to add more machines without the need for a new boiler . . . or relieves already overloaded boilers. Remember, too, Whitlock design means lifetime service . . . 100% bronze and copper construction on the fresh water side eliminates the threat of off-color or rusty water. There are no moving parts to wear out, no appreciable expense for upkeep. Out of sight below floor level, indoors or outdoors, the Whitlock Preheater keeps continually at work saving money for you.



CLOSED TYPE PREHEATER

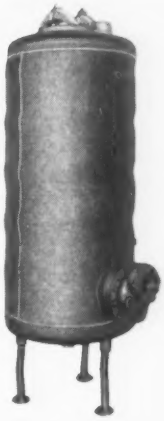
For many installations, a Whitlock Preheater of closed type is most convenient and satisfactory. It can be hung from the ceiling or wall without occupying useful floor space and provides maximum heat recovery. The installation illustrated includes a standard Whitlock Closed Type Preheater and a Condensate Cooler which adds about 25° to the fresh water coming from the preheater — with a considerable saving in heat . . . and fuel . . . that would otherwise be lost. Hundreds of laundries throughout the country are saving big money and increasing their profits with Whitlock Preheaters.

TYPE K STORAGE HEATER

Used in connection with a Whitlock Preheater, a Whitlock Type K Storage Heater furnishes the ideal water heating system. Without placing any instantaneous heavy load on the boiler, it can be heated by exhaust steam, condensate, live steam or any combination of these. The shell may be of steel, copper-lined steel, Everdur, or Konkrete-lined steel construction and your hot water problems are permanently solved.

VERTICAL TYPE K
STORAGE HEATER

This unit is similar in design to the horizontal Type K Storage Heater except that the vertical design adapts it for installation where floor space is at a minimum. Choice of the proper heater, dependent upon plant layout and operating characteristics, is best worked out with your Whitlock Laundry Engineer.



Ask for the advice of a Whitlock Engineer to get the right answer to your special heating problem. Or write for Bulletins 40A and 51.

THE WHITLOCK MANUFACTURING COMPANY
90 South Street • West Hartford 10, Conn.
New York, Boston, Chicago, Philadelphia, Detroit, Richmond. Authorized representatives in other principal cities. In Canada: Darling Brothers, Ltd., Montreal.

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WATER PREHEATERS and STORAGE HEATERS

OZONITE

SAFETY

ECONOMY

CONVENIENCE

QUICK SOLUBILITY

FREE RINSING

SIMPLICITY

REALLY CLEAN WASH

"Factory-Built"* to bring you these advantages:

You're on the right track to bigger profits—when you use Ozonite in your washroom!

That's because scientifically balanced Ozonite is a *complete* soap—ready for immediate use just as it comes from the factory! What's more, Ozonite is a product of uniform quality . . . gives top-notch dirt removal, excellent whiteness maintenance and safety to fabrics, *load after load!*

And even in inexperienced hands, Ozonite always gives you quality control because the suds level tells your washman when he has added just the right amount. When he sees the proper suds level, he'll know that the washing mixture is neither too heavy nor too light on soap or builder!

Start using Ozonite in your washers today . . . and see for yourself how much more economical—and easier—washing can be!

* the *complete*, ready-to-use soap

Procter & Gamble

Bulk Soap Sales Department, P.O. Box 599, Cincinnati 1, Ohio

New HYDRAXTOR MODEL "J" with SELF-CONTAINED WATER SYSTEM!

- NO WATER CONNECTIONS
- USES LESS THAN $1.00 WATER/YR.
- NO FOUNDATION . . . NO BOLTING
- CAN BE INSTALLED ANYWHERE
- 100% AUTOMATIC OPERATION

LOW INITIAL COST
LOW UPKEEP

New Model "J"
AUTOMATIC
HYDRAXTOR
Obsoletes Centrifugal Extraction

- SELF STARTING
- SELF FILLING
- SELF TIMING
- SELF STOPPING
- SELF DUMPING

WRITE, WIRE OR PHONE FOR INFORMATION

The HYDRAXTOR *Company* • 3500 TOUHY AVE., CHICAGO 45, ILL.

EXTRACT WATER *WITH* WATER

WELL-BALANCED SOLUTION

Time was when making up a mixture of neutral soap and builder in a laundry was a necessity—like baking bread at home. But that's all passé now—you can get better bread loaded with health-giving vitamins at the bakery—just as you can get factory-fabricated, scientifically-balanced, com-

HY-WITE

for all high temperature washing operations

- ***Saves time—Dissolves and disperses unusually fast in washwheel***
- ***Penetrates better—Gets dirt fast, circulates freely even in net washing***
- ***Remains stable—Resists breakdowns from excess dirt, water, hardness and bicarbonates***
- ***Suspends foreign matter—Holds dirt, rust, other particles in suspension***
- ***Washes harmlessly—Safe for all types of fabrics***
- ***Saves you money—Gets the most dirt per penny***
- ***Disperses oil stains—Powerful detergent action***

Decide now to settle that soap question once and for all. Order a drum on approval of whichever soap best meets your washing temperature requirements. You'll get the finest washing job you ever saw and you'll do it economically.

Send for free booklet, "Better Way Washing Talks." A complete line of laundry and dry cleaning supplies. Nation-wide service.

H. KOHNSTAMM & CO. INC. 105th Anniversary 1851-1956 SERVICE THROUGH CHEMISTRY

TO THE SOAP QUESTION

plete soap in a drum. No mixing, no boiling, no messy tank or carrying endless buckets of soap solution to the washwheels which means, among other things, a great saving of time, labor and valuable space. Yes, it's time to go modern with HY-WITE and SIMPLEX.

SIMPLEX

for low temperature washing
of white work

- *Small, easy-to-use granules*
- *Dissolves and disperses rapidly*
- *Penetrates quickly to the heart of the load*
- *Maintains proper pH balance longer*
- *No doping required*
- *Always pure, always uniform*
- *Potent cleaning power reserve*
- *Safe on all fabrics*
- *Gets more dirt per penny*
- *High detergent power*
- *Lifts out dirt and oil*
- *Prevents grayness and sediment deposits*

ESTABLISHED 1851

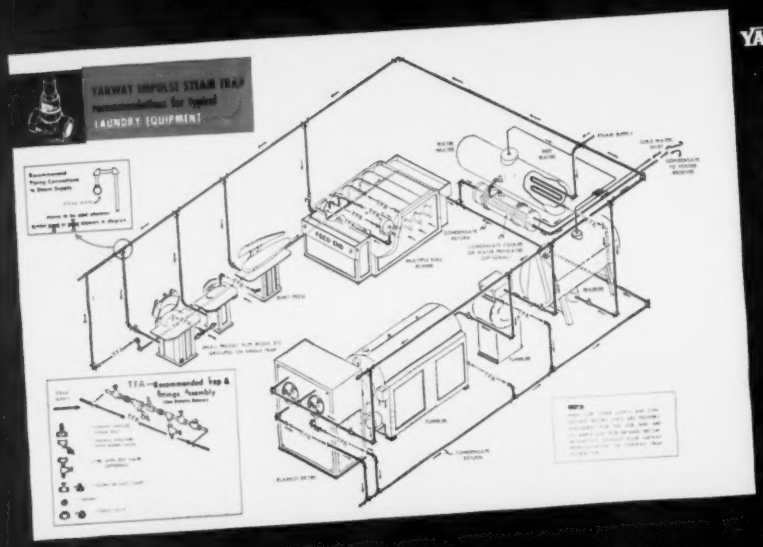
H. Kohnstamm & co., inc.

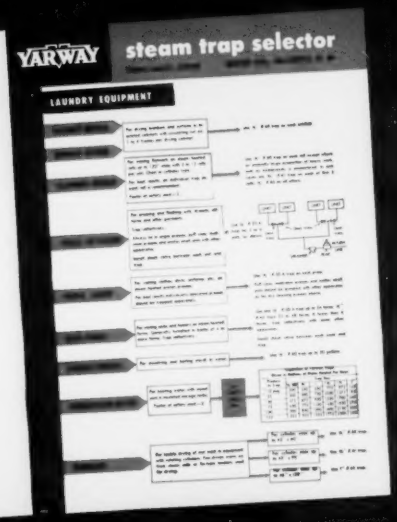
- NEW YORK 7, 89 PARK PLACE
- CHICAGO 11, 11-13 E. ILLINOIS ST.
- LOS ANGELES, (P.O. Address) 2632 E. 54 ST., HUNTINGTON PARK, CALIF.

ALBANY • ATLANTA • BALTIMORE • BOSTON • BUFFALO • CINCINNATI
CLEVELAND • DALLAS • DENVER • DETROIT • GREENSBORO • HOUSTON
INDIANAPOLIS • JACKSONVILLE • KANSAS CITY, MO. • MEMPHIS
MINNEAPOLIS • NEW ORLEANS • OMAHA • PHILADELPHIA
PITTSBURGH • ST. LOUIS • SAN ANTONIO • SEATTLE

FOREMOST MANUFACTURER AND DISTRIBUTOR OF QUALITY LAUNDRY AND CLEANING SUPPLIES

HOW TO TRAP LAUNDRY EQUIPMENT —*PROFITABLY*





Write for your free large scale Laundry Piping Diagram and Steam Trap Selector.

"This Yarway Piping Diagram and Steam Trap Selector is a real big help to us."

When it comes to picking the right steam trap for the right job, this YARWAY bulletin is invaluable.

Piping diagrams and selector tables for trapping 10 typical kinds of laundry equipment are shown.

The selector will guide you in *choosing* the correct steam trap, and the piping diagrams will show you the proper *installation*.

On all your steam trap requirements, the way to be sure of successful *performance* is to use YARWAY IMPULSE STEAM TRAPS—the impulse that revolutionized steam trapping 20 years ago and has sold over a million traps since.

Write for your FREE copy of this YARWAY Piping Diagram and Selector for Chemical Processing Equipment, or get one from the local YARWAY Industrial Distributor—over 270 cover the country.

YARNALL-WARING COMPANY

129 Mermaid Avenue, Philadelphia 18, Penna.

Yarway Impulse Steam Trap. Gets equipment hot in a hurry and keeps it hot! Stainless Steel. Good for all pressures. Only one moving part.

YARWAY

IMPULSE® STEAM TRAP

The Impulse that revolutionized steam trapping 20 years ago.

SPECIAL INTRODUCTORY OFFER!

$100.00

FOR YOUR OLD WASHER IN TRADE FOR A . . .

16 lb. BENDIX MODEL WEC

We're so sure one WEC will make you want a whole store full, we make this unprecedented $100.00 trade-in offer!! Try one . . . enjoy the extra profits Bendix WEC operators get!

Max Gordon, Miami WEC operator, says, ". . . we make more money since we charge double, but have about the same cost in time, water and soap!"

One BENDIX WEC does the work OF 2 ORDINARY WASHERS...

Trade now! Get the all-new Bendix WEC washer with twice the capacity . . . a full 16 pounds dry weight in every load! Get twice the production . . . at nearly the same operating cost as a small washer.

Save Time, Work and Space!

All-new Bendix WEC washes a full 16 pounds sparkling clean . . . saves tying up two ordinary washers with one average family-size load!

Get More Customers!

Bendix "Big Drop" plunges clothes over *two feet* into surging, penetrating suds! Washes extra clean . . . brings in more repeat customers!

COMMERCIAL LAUNDRY DIVISION

bendix

Home Appliances Div., AVCO Mfg. Corp.

Get Your Introductory BENDIX WEC Now!

plus...

BIGGER-THAN-EVER Trade-In ALLOWANCES on ALL your old Washers!

★ **LIMITED TIME OFFER . . .**

made by your local Bendix Commercial Laundry Distributor—may be withdrawn at any time. For the name of your local distributor send this coupon TODAY!!

Mr. H. J. Mitchell, Sales Mgr.
Bendix Commercial Ldry. Div.
AVCO Manufacturing Corporation
1329 Arlington St., Cincinnati 25, Ohio

Dept. 8-X

Please RUSH more information on the special Bendix WEC Introductory "Trade-in" Deal!

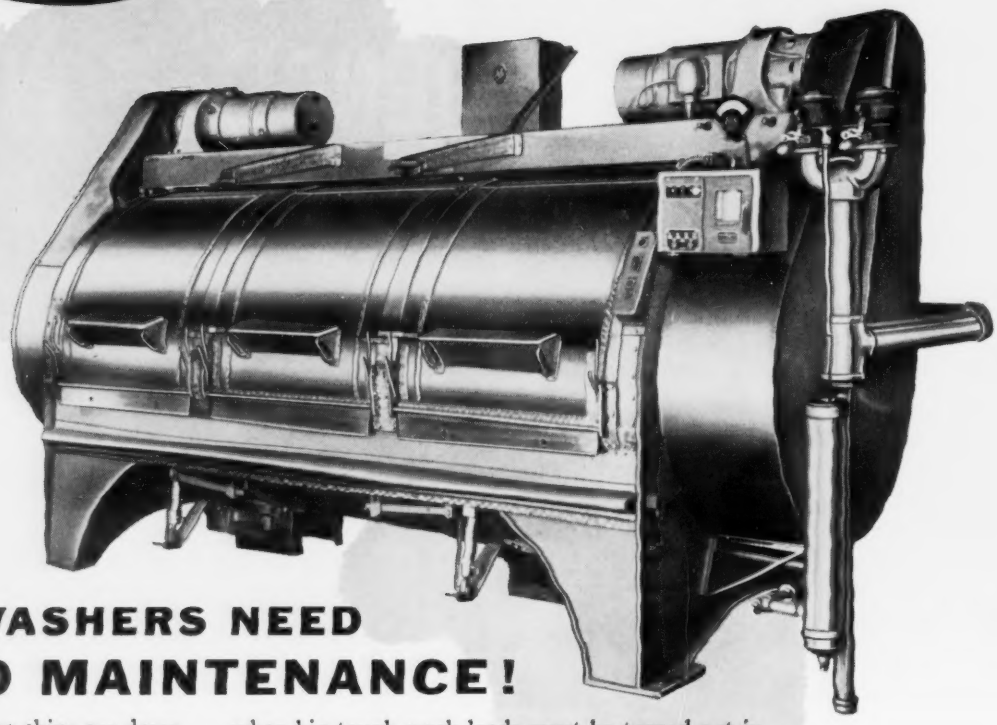
Name.....

Address.....

City..... Zone..... State.....

Where ruggedness counts

C/L WASHERS



C/L WASHERS NEED NO MAINTENANCE!

When the chips are down . . . when big tough wash loads must be turned out in steady volume . . . that's when you need the unfailing performance of C/L Stainless Steel Washers. So ruggedly built, so superbly engineered, that you can forget about maintenance other than normal periodic lubrication! C/L Washers are made in all models, in all sizes up to 64"x160", and in dry weight capacities of 50 lbs. to 2000 lbs. per load. And every C/L Washer contains six exclusive points of superiority . . . *each backed by the C/L 5-year Guaranty!*

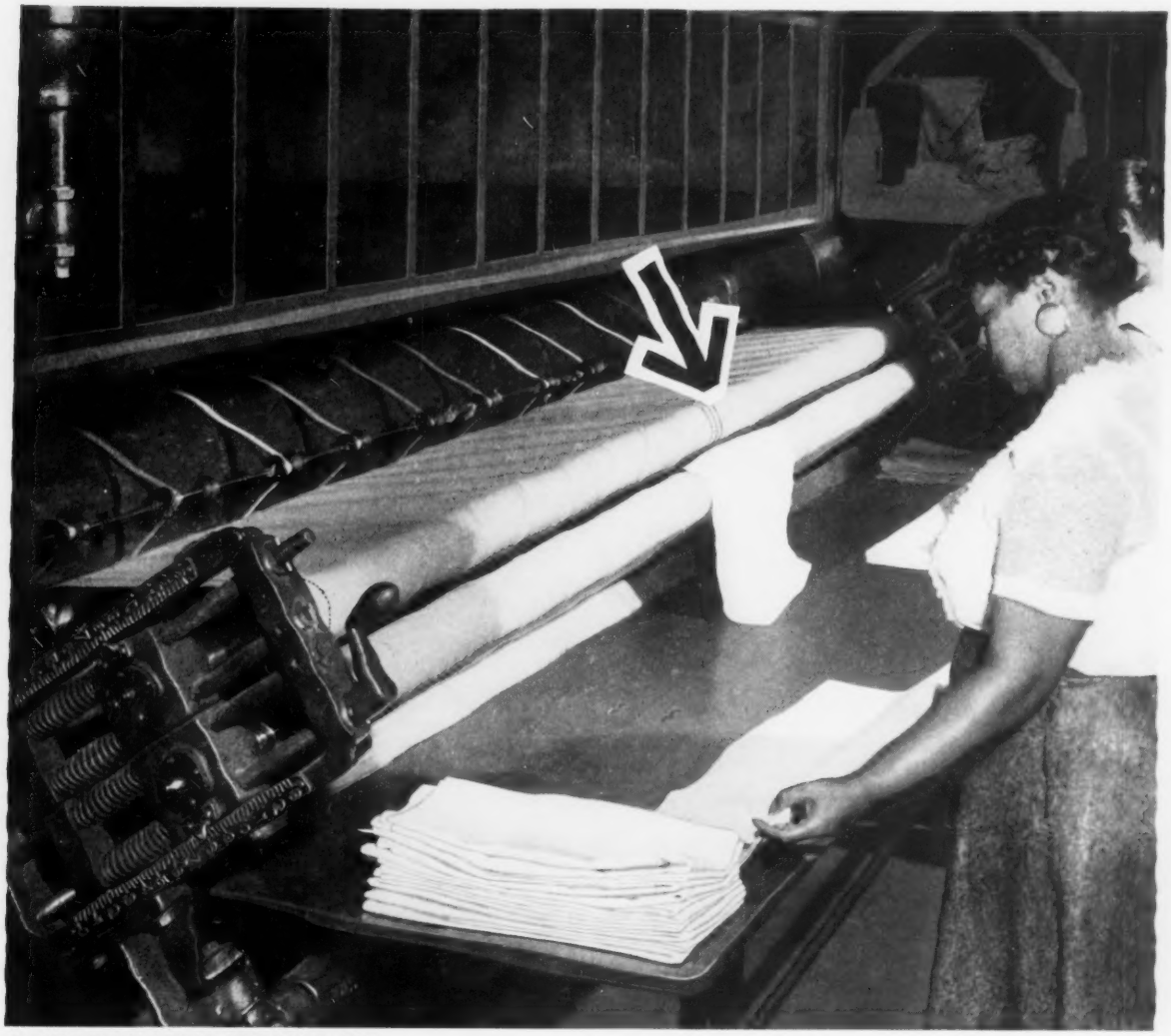
5-YEAR GUARANTY ON THESE exclusive C/L FEATURES

- **The C/L Evertite Cylinder Door Lock**
- **The C/L Sealomatic Trunnion Seal**
- **The C/L One Piece Steel Trunnion**
- **The C/L Rigid Frame**
- **The C/L Compro-Seal Shell Door Assembly**
- **The C/L Stainless Steel Cylinder**

Unconditionally guaranteed against all defects except those caused by faulty operation!

C/L CUMMINGS-LANDAU Laundry Machinery Co., Inc.

305-17 Ten Eyck Street, Brooklyn 6, N. Y. TEL. HYacinth 7-1616 • Cable Address: "CUMLAMAC"



TEMPERATURE GOING UP – Like so many ironers, this eight roll, 120″ flat work ironer – one of a battery belonging to the Regal Laundry of Baltimore, Md. – subjects apron cloths to tremendous variations in moisture and heat. Temperatures alone often exceed 300°F – a severe test for any fabric! The Regal Laundry keep accurate cost records of apron repair and replacements – and as a result, have been using PROSPERITY* aprons almost exclusively for over 15 years! They've occasionally tried other brands but have always returned to PROSPERITY. This is another example of how the fabrics produced by Mount Vernon Mills and the industries they serve are serving America.

UNIFORMITY Makes The Big Difference In Industrial Fabrics

Mount Vernon Mills, Inc.

A LEADER IN INDUSTRIAL TEXTILES

TURNER HALSEY COMPANY *Selling Agents*

Main Office: 40 Worth Street, New York, N. Y. • Branch Offices: Chicago • Atlanta • Baltimore • Boston • Los Angeles

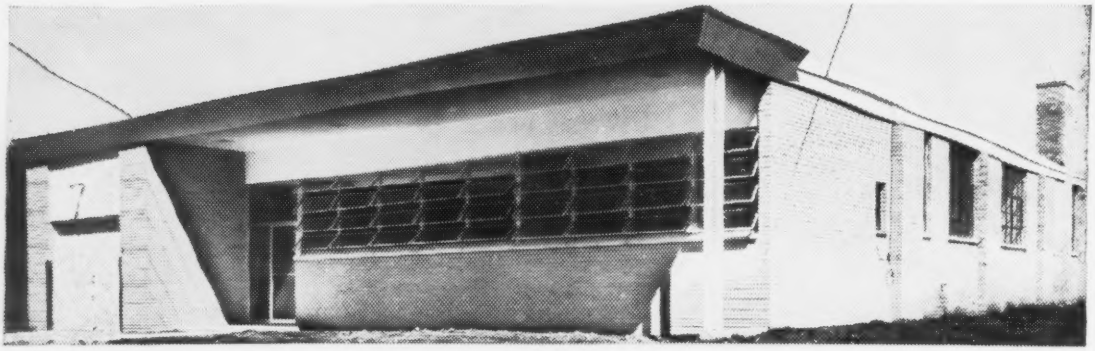
Always look for this purple stripe in all PROSPERITY* and ORIOLE* fabrics. It's your assurance of fine performance and longer life in apron duck and cover cloth fabrics.

PROSPERITY and ORIOLE purple stripe fabrics are available ONLY from these laundry supply jobbers:

THE CARMAN CO., Denver, Col. • CARMAN-CONLEY, INC., Chicago, Ill., Indianapolis, Ind. • CARMAN-MITCHELL-WING CO., Stonehaven, Mass. CARMAN OHIO CO., INC., Cincinnati, Ohio • CARMAN PITTSBURGH INC., Pittsburgh, Pa. • CARMAN SUPPLY CO., Cleveland, Ohio • C. C. CHEMICAL CO., Sunnyside, L. I. • JOHN P. LYNCH CO., San Francisco, Calif., Los Angeles, Calif. • MORRIS & ECKELS, INC., Alexandria, Va., Norfolk, Va., Baltimore, Md. • MORRIS & ECKELS CO., Jacksonville, Fla., Atlanta Ga. • OSMUND & CO., Portland, Ore. • ROCHESTER CARMAN SUPPLY CORP., Rochester, N. Y. • JAMES E. ST. JOHN, Philadelphia, Pa. • E. J. THOMAS CO., Columbus, Ohio • THOMPSON-HAYWARD CHEMICAL CO.—CARMAN DIVISION, Fort Worth, Tex., Houston, Tex., Kansas City, Mo., Omaha, Neb., St. Louis, Mo., San Antonio, Tex.

*Trademark Mount Vernon Mills, Inc.

In Order To Serve You .... BETTER



WE'VE BUILT A NEW AND MODERN PLANT
45 Minutes Northwest of the Chicago Loop

We are grateful ... and to deserve your continuing support and patronage ... we've built a new plant in surbuban Arlington Heights. Our floor space and facilities have been more than doubled in an effort to give you the finest service and products possible. We cordially invite you to inspect our plant in Arlington Heights.

WE WILL CONTINUE TO SUPPLY FABRIC SPECIALTIES FOR BETTER BUNDLES...

Our reputation and success is due to a superior product. "Bonn" Precision - Made Covers and Padding for Cabinet Sleevers and Bosoms ... Ty-On-3 Dimensional Press Covers ... Slip-On Sleeve Covers ... Slip-On Stocking Pads ... Duo-Nyl Expander Pad-Covers ... 3-Dimensional Asbestos Press Boots ... "Claim-Saver" Brilliant Red Separators and Sav-A-Load Extractor Covers .... are standard "musts" in the industry. Ask your jobber about Bonn Products.

F·H·BONN COMPANY

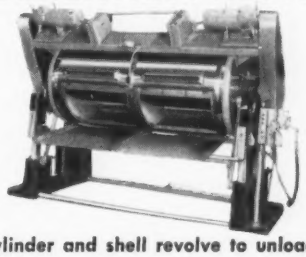
111 NORTH HICKORY AVENUE
ARLINGTON HEIGHTS, ILLINOIS
CLEARBROOK 5-4656

SUPER UNLOADING WASHER

NOW . . . A KING'S RANSOM TRADE-IN ALLOWANCE ON THE WASHER THAT GIVES YOU EXTRA LOADS—EXTRA PROFITS!

Here's your golden opportunity to "wheel and deal" on the finest unloading washer on the market — bar none! By taking advantage of Super's limited KING'S RANSOM TRADE-IN offer, you can buy this proven time and money saver at a market-shattering, unheard-of price!

The SUPER UNLOADING WASHER is designed to deliver peak efficiency in a minimum of space — giving you many extra loads per machine every day. Loading and unloading are accomplished quickly — easily . . . pneumatic powered "turn-over" boosts washing speed and capacity. It all adds up to greater profits for *you!*



Cylinder and shell revolve to unloading position as a unit without unbalancing the machine. Loads are more completely dumped. Aprons catch the load for easier transfer to extractor baskets.

BEFORE YOU INVEST—INVESTIGATE SUPER!

Call Your SUPER Jobber—or Wire or Write Direct—Today

SUPER LAUNDRY EQUIPMENT

SUPER LAUNDRY MACHINERY COMPANY

P.O. BOX 307
ST. JOSEPH,
MICHIGAN

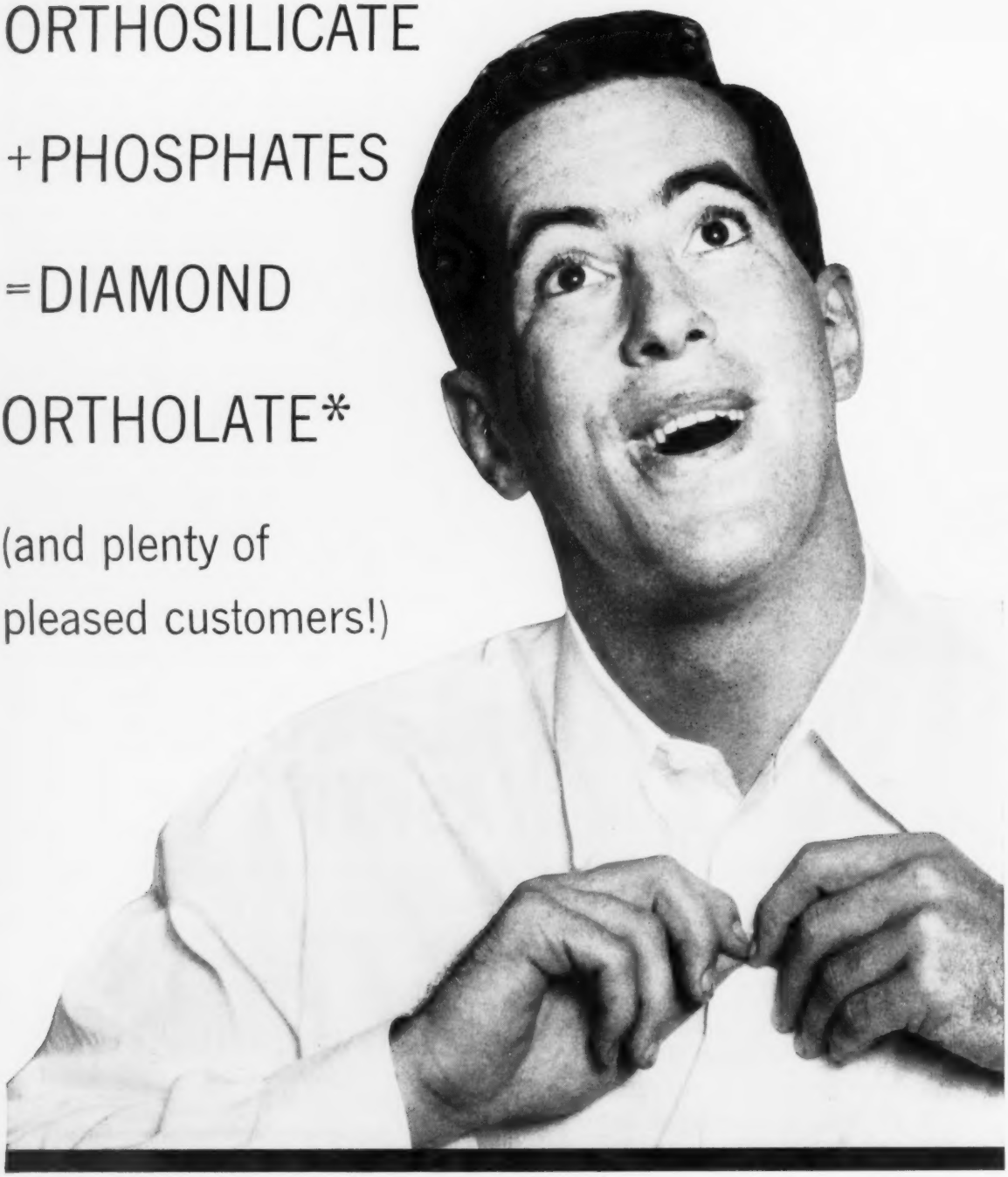
ORTHOSILICATE

+PHOSPHATES

=DIAMOND

ORTHOLATE*

(and plenty of pleased customers!)



Customers keep coming back—with bigger bundles—for work like DIAMOND ORTHOLATE turns out.

Washroom tests show this soap-saver boosts whiteness retention in shirts, for instance, and chases out hard-to-get soil in collars and cuffs. Shirts live longer, too, because you need less bleach. What's more, ORTHOLATE is quickly soluble. Use it dry to the wheel.

*Only DIAMOND's patented process gets each flake of orthosilicate uniformly fused with complex phosphates. The result is ORTHOLATE, a complete builder that puts sparkle in a laundry manager's eyes. ORTHOLATE is one of a complete line of DIAMOND quality products for the laundry industry. Phone your nearby DIAMOND distributor today.

Diamond Laundry Detergents • Sours • Blues

DIAMOND CHEMICALS

Diamond Chemicals

Diamond Alkali Company • Cleveland 14, Ohio

Laundry News Notes

LEMMON, S. D.—Mrs. Emma Jordeth has leased Lemmon Laundry from Earl Hammer.

TOWNSEND, MONT. — Mrs. Irene Hayes has taken over operation of Townsend Laundry.

KELOWNA, B. C., CAN. — Ground was broken recently for construction of a new building to house Morrow Services Ltd.

VERMILLION, S. D. — Mrs. Fueston and Mrs. Davis have opened Whiteway Laundry in the Coyote Barber & Beauty Shop Bldg.

BARDSTOWN, KY. — Bardstown Laundry & Dry Cleaners has opened a call office at 226 N. Third St.

MEMPHIS, TENN. — Jack Scharff, president of Model Laundry & Cleaners, 1023 Linden, has been elected president of the Riverside Industrial Group.

ORMOND BEACH, FLA. — Clyde Donaldson has purchased O'Connell Quick Service Laundry on Granada Ave. from Mr. O'Connell.

NEWPORT, KY.—A new automatic laundry has been opened by Mrs. Margaret Murphy at 38 E. Ninth St.

SPARTANBURG, S. C.—New Method Laundry, located on N. Liberty St., has been sold by D. F. Clayton to Mr. and Mrs. J. S. Jacobs.

CRAWFORDVILLE, FLA. — Simpson's Quick Service Laundry has been opened by Mr. and Mrs. Max Simpson at the Panacea Bridge.

PERRY, FLA.—P and G Laundromat has been opened in the A and P Shopping Center on S. Center St.

FRANKFORT, KY. — A new office building and parking lot will be constructed for Model Laundry at its Clinton St. location, and a quick-service launderette will be constructed in East Frankfort.

JACKSONVILLE, FLA. — A formal opening was held at Spic 'N Span Laundry, Sixth and Pearl Sts., by Eddie and Ginnie Clarke.

GREENVILLE, S. C.—At a recent meeting of the Piedmont area members of the South Carolina Laundry and Cleaners Association, Perry Walker, Atlanta, spoke on methods of handling the newer "miracle" fabrics.

MELBOURNE, FLA.—Rogers Laundry has been opened at 512 Columbus Ave. by Bill Rogers.

Continued on page 116

laundry fabrics *deliver* better work for less unit cost!

The Gold Line of Laundry Fabrics is carefully designed to give all operators superior work at lower unit operating cost. And you don't pay premium prices for these premium laundry fabrics.

Call, wire, or write for more information. The Tingue, Brown technical staff—men with real know-how and years of laundry experience—can help you to operate more practically and profitably.

IRONER and PRESS DRESSINGS: Asbestos, Dacron, Nylon, Cotton, Wool, and Steel Wool.

NETS and BAGS: Nylon and Cotton — Woven or Knitted.

GENERAL: Baskets and Liners, Ribbons and Tapes, Ironer Lubricants, Extractor Covers, Flexible Steam Hose for presses, Marking Flags, Rubber Floor Mats.

TINGUE, BROWN & CO.

1765 CARTER AVENUE • NEW YORK 57, N. Y. • CYpress 9-6900
507 BISHOP STREET, N.W. • ATLANTA, GA. • ATwood 3884
1227 WABASH AVENUE • CHICAGO 5, ILL. • HArrison 7-0883
723 E. WASHINGTON BLVD. • LOS ANGELES, CAL. • Richmond 9-6833

"Specialists for over 50 years in the production of mechanical laundry products"

HUEBSCH

Unloading tumbler available in 100 pound laundry model only

HUEBSCH TUMBLER — The standard of comparison among dryers... from the inventor and world's largest manufacturer of commercial open-end tumblers. In four sizes for laundries and dry cleaners.

HUEBSCH "TWIN" TUMBLER—Two cylinders, each with a capacity of 15 pounds. Ideal for drying smaller bundles, such as fluff-dry towels, diapers, etc. A space-saver; only 27½" wide!

FOR INFORMATION and complete details on Huebsch equipment, contact your local jobber, or write directly to Huebsch Manufacturing Co.

Other Famous HUEBSCH Equipment for Laundries and Dry Cleaners: Feather Renovators • Washometer • Pants Shaper

...the name that stands for better equipment at less cost

HUEBSCH "37" TUMBLER—Sparkling beautiful in design; efficiently modern in operation. Created especially for quick-service laundries, motels, institutional laundries, etc. In three sizes. Choice of any color at no extra cost.

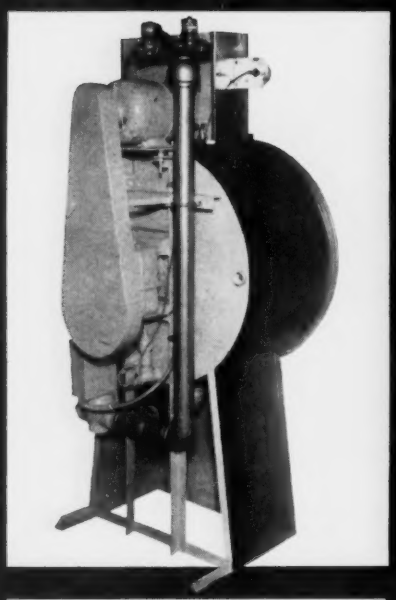
HUEBSCH WASHER—Popular open-end construction... with the 37″ drop that assures a good washing job every time. 50-pound capacity... reversing. Choice of three types of controls: automatic, semi-automatic or manual.

HUEBSCH MANUFACTURING CO.

3775 N. Holton Street, Milwaukee 1, Wisconsin

- Sleevers • Collar Shapers and Ironers • Handkerchief Ironers • Automatic Valves
- Garment Baggers • Garment Dryers • Cabinet Dryers

JUNGLE* OR MECHANICAL SIMPLICITY?



Before you buy a NEW WASHER... LOOK AT THE BACK, TOO!

ILLUSTRATED: COOK 25 POUND SPECIAL

Cook Washettes feature the rugged DODGE Direct Speed Reducer for maximum power at point of use.

*A jungle of gears may look important . . . but only COOK'S perfected, mechanical simplicity gives you smooth, continuous washer operation.

Cook Washettes are engineered with fewer working parts, which reduce friction, lower maintenance costs and eliminate breakdowns.

Cook Washettes gives you your choice of 28 different FULLY AUTOMATIC wash-rinse cycles to fit your exact requirements.

Cook Washettes are crafted of indestructible STAINLESS STEEL . . . meet the requirements of every plumbing and electrical ordinance in America.

Cook Washettes give you 7 NEW MODELS . . . from the low priced 25 POUND SPECIAL to the Big CAPACITY 100 POUND CENTURY . . . perfect washers for every production need.

IT COSTS NO MORE TO OWN A cook WASHETTE

It costs less to operate a Cook Washette!

May we show you the facts . . .

the BIG PROFIT-MAKING STORY?

Write for your NEW Cook Washette Catalog and name of nearest Authorized Cook Distributor.

cook MACHINERY CO. INC.

4128 COMMERCE ST., DALLAS, TEXAS

CARRY BIGGER LOADS

NEW SQUARED UP DIVCO HOUSE-TO-HOUSE LAUNDRY TRUCK . . . 221 CU. FT. CARGO CAPACITY!

ON ECONOMICAL 100¾" W.B. CHASSIS!

Latest design WALK-IN Divco Trucks are specially engineered for multi-stop operation. They feature proven low maintenance, long service life, dependable performance and low operating cost. Maximum driver-salesman efficiency through use of either Stand-Drive controls or Sit and Stand Drive dual controls . . . by low steps and easy workability of load.

EASY MAINTENANCE . . . 27 major service points can easily be reached by merely lifting the hood. Removable panel body construction permits easy repair or replacement of damaged panels from the outside in minimum time.

REPLACEMENT PARTS AT YOUR FINGERTIPS . . . A nation-wide network of competent dealers assures instant availability of all parts. Divcos are production built and all dealers stock replacement parts—therefore, there is no long wait for custom parts to be hand-made.

Many optional choices, including automatic transmission

CHOICE OF 3 MODELS

MODEL 124 . . . SUPER 4 cylinder engine . . . Stand Drive Controls for average city routes—3 speed synchromesh transmission.

MODEL 134 . . . SUPER 4 cylinder engine . . . Sit and Stand Drive Controls for longer city routes—3 speed synchromesh transmission.

MODEL 154 . . . 6 cylinder engine . . . Sit and Stand Drive Controls for scattered city or suburban routes—3 speed synchromesh transmission.

DIVCO TRUCKS

CONTACT YOUR LOCAL DIVCO DEALER FOR DEMONSTRATION!

DIVCO CORPORATION, 22000 HOOVER ROAD, DETROIT, MICH.

OVER 80% OF ALL DIVCO TRUCKS BUILT SINCE 1927 ARE STILL IN SERVICE!

Ask Your Distributor for . . .

BOSTAG

. . . Proven by 50 Years use

MARKING NEEDS

A B SOCK TAGS

Made so water or cleaning fluid can wash in and out of tags. All metal edges durably covered with strong cotton cloth with easy writing surface. 80x80 count cotton cloth.

AB No. 1—Size 5/8" x 3/8"

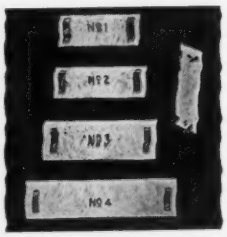
AB No. 2—Size 1" x 3/8"

Genuine

PEERLESS BEACON TAGS

Zinc prongs are smooth-edged, tapered to enter and leave fabric without damage. Prongs are anchored, always firm and straight, yet fully pliable for quick attaching and removing. Triple-fold 80x80 count cotton cloth, non-fraying—special easy writing finish for pen or machine marking. Also fibre. 5 sizes. White and Standard Colors.

Also HALF TAGS cut straight or diagonally. SINGLE STAPLE TAGS.



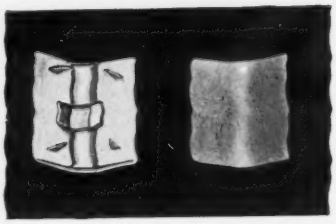
BOSTAG TAGGING MACHINES

Save time, labor and money by attaching tags to garments faster than by hand. Machines operate simply, easily. Two machines for attaching AB Nos. 1-2 Tags; Four machines for attaching Peerless Beacon Nos. 1-2-3-4 Tags. (No. 4 Machine used for Half 5's.)

(AB Machine Not Pictured)

NON X L TAGS

For heavy work use this open type tag with large prongs. Pliable for quick attaching and removing. Easy marking surface. In all standard colors — one size only. 80x80 count cotton cloth.



EZ-OFF IRON CLEANER

Instantly removes all foreign sticky residues that make irons drag and equipment lag. Cleans while machines are in use and metal hot. For puff irons, sleeves, bucks, collar & cuff presses, sock ironers. Makes hand irons glide like ice.

Single tube; or 6 jumbo tubes to carton.

TAG-A-DAY TAGS

Plain—or printed with the days of the week, Monday through Saturday. In white and six standard colors. Highest quality 80x80 count cotton cloth; also fibre. Standard set-up on days of the week on color as follows:

Monday	Blue	
Tuesday	Red	Size:
Wednesday	Pink	1 7/16" x 2 1/4"
Thursday	Orange	
Friday	Yellow	Packed
Saturday	Green	1,000 to box
Special	White	

Also Lavender, Gray and Tan

Special printing, at nominal extra charge, may be had on any tag.

Korola CUFF FASTENER

Use to temporarily fasten French cuffs without injury to buttonhole. Made of smooth st; paper supported by steel wire, 2" long. Packed 2,000 to box.

HUB PERFORATING TAG

Indestructible—not affected by soaps, acids, gasoline, solvents, or boiling dye. White only.

No. 1—1" x 2 1/2" No. 3—1" x 3 1/2"
No. 2—1" x 3" No. 4—1" x 3 3/4"

"ACE" INDELIBLE INKS

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FOR FLATWORK IRONERS: 3 Cut and Bound Pad Styles.

Cotton: Cotton Binders attached.

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b. Special knee bar simplifies compression of uprights for hanging or removing bags and nets.

c. Smooth uprights will not snag or tear bags and nets.

d. Sturdy Lane patented hardwood bottoms hold uprights securely.

e. Special crimps keep knee bars in place—add rigidity to uprights.

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18" long, 12" wide, 36" high. For bags or nets 17" to 22" dia. and up to 40" long.

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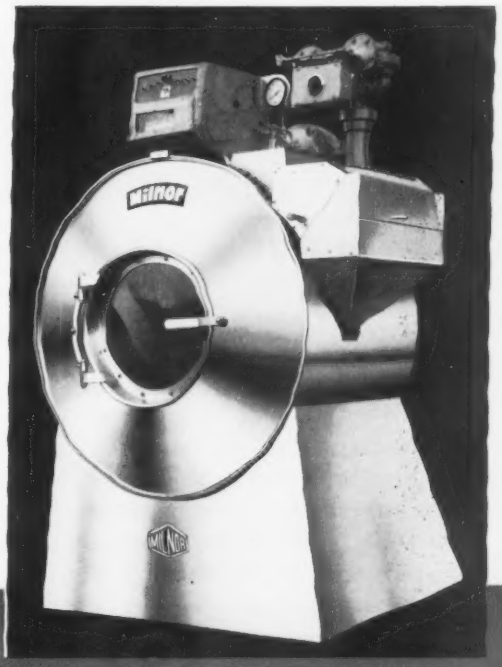

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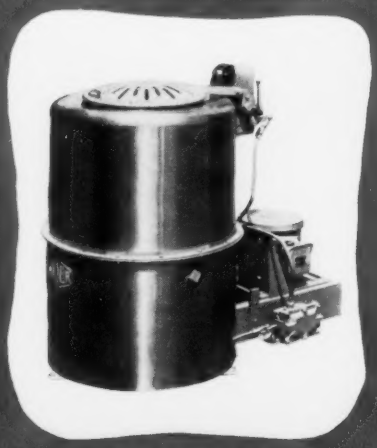

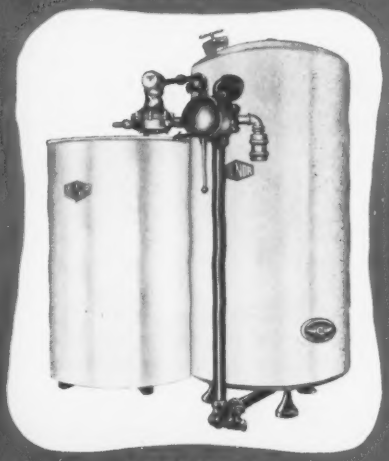

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Get out the vote

With the major political campaigns now in full swing, we read and hear many conflicting claims, statements and opinions.

We hear, on the one hand, that the farmer's lot was never sounder. And, on the other, that he is slowly and determinedly being pushed toward the brink of ruin.

We learn that our army of unemployed was never greater and that it was never less. We know that our defense program was never stronger; never weaker. That our foreign policy has earned us the respect of the world and that it is woefully immature and unrealistic.

We read that President Eisenhower will never survive a second term of office and, at the same time, that he was never in better physical condition. That he wants Vice-President Nixon as a running mate; that he doesn't want him; that he's forced to take him.

The same papers carry reports that Mr. Stevenson's "open convention" was a master stroke; a political maneuver; a huge success and a grand flop. That he'll lose the election because of his marital status, and that there are enough separated couples in the country to carry him into office on the "divorce vote."

In short, there seems to be hopeless confusion regarding the parties, the candidates and the issues at stake. But the press, the radio and television have actually performed a great service. They have put us in the position where we will have to make up our minds for ourselves. And so long as we do just that our democracy will remain intact.

Whatever your convictions, be sure to express them by voting in November.

Well, did you ever? Much has been said and written about labor shortages and how to find and attract suitable employees into hard-pressed industries. Now a university professor finds a brand-new labor source in the most unlikeliest place of all—among former employees.

The good professor based his findings on a scientific study he made at a Western aircraft plant that had a turnover record of 5,600 separations a year from a work force of 10,000.

For the purposes of his study, he analyzed three broad groups of ex-employees based on their length of service with the company: those who quit during the second month of employment, the seventh month and the eleventh month.

He found that about 40 percent gave a "polite" reason for leaving at the time of resignation and then gave a more truthful answer later.

As far as the company knew, the original reasons given were beyond its control to cope with. Most said they were leaving for "other jobs" while others claimed "poor health," "leaving the state," "military service," "maternity."

When questioned later, the study revealed that they left because of "poor pay," "slow advancement" and *most often* because of the "poor quality of supervision."

Perhaps the most remarkable finding was the number of former employees who said that they would still consider coming back with the company. Seventy-five percent of those who quit after two months said as much. So did more than half of the group that left after 11 months.

This would seem to be the tip-off to hard-pressed laundryowners: Take a better look at your supervisory staff and consider rehiring former employees.

ABC Month: The Audit Bureau of Circulations marks another milestone this month. We are happy, indeed, to commemorate its forty-second anniversary with the 3,700 other publishers, advertisers and advertising agencies that make up its membership.

We are pleased with our affiliation with this organization because it helps us to perform a better service for our readers and advertisers.

One of the functions of this association is to audit the paid circulation figures for its member publications. This serves to protect the advertisers who, over the years, have come to regard the ABC as a thoroughly impartial organization which gives an accurate appraisal of a publication's circulation standing.

The audit report enables the advertiser to check and see if he is getting full value for his advertising dollar. It tells him exactly where every copy of the magazine is going. The advertisers know the information is right because at regular intervals one of the staff of experienced ABC circulation auditors goes over our records.

STARCHROOM is the only national publication specializing in the laundering field that belongs to this association and welcomes this sort of surveillance voluntarily. Our circulation is not mere hearsay; it is recorded in black and white. And the advertiser can see the audit report at any time.

The ABC report also serves us as a barometer of readers' acceptance. We know we're doing a good job when our readers buy new subscriptions and keep renewing them year after year. Our object, of course, is to keep our circulation growing by giving our readers the type of editorial features they are willing to buy.

Ask your jobber

for these time-saving, labor-saving stain removers

YellowGo®

...**for dye stains.** Liquid titanium stripper that takes dye stains of **any color** from **any fabric** without weakening tensile strength. **Safe** because it's controllable—works cold or hot, slow or fast. May be used in crock, tub or wheel.

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...**for oily stains.** Action-loaded, concentrated spotter that removes tough "hard-set" stains that don't wash out . . . ironed-in marking ink, oxidized oil and grease, ball pen ink, rubber-base paint, permanent lipstick, etc. Quickly breaks up stains . . . flushes freely in water.

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...**for oxidizable stains.** Time-tested oxidizing agent for removing tannin-type yellow stains. Restores sparkling whiteness to nylon and dacron that turn yellow in the wash . . . linens that have become yellow with age . . . fabrics that are stained by scorch, coffee, tea, mustard, soft drinks, etc.

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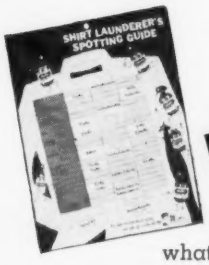
...**for silver nitrate stains.** New easy-to-use product that takes out stains from X-ray and photo developer fluid, argyrol and other silver nitrate base preparations. Also removes iodine stains; clears up tarnish on metallic fabrics, braids and buttons. Safe to colors and fabrics.

Leading jobbers everywhere carry these good WILSON "GO" PRODUCTS. Ask for them by name.



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New "Shirt Launderer's Spotting Guide." Handy wall chart lists 19 common stains, shows what to use to remove them. For a copy write *A. L. WILSON CHEMICAL CO., Kearny, N. J.*

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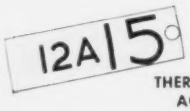
SAVES TIME AND CUTS COSTS IN *Every* DEPARTMENT FROM MARK-IN THRU ASSORTING!



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- 15 is the large bundle number . . . the number used for the rapid assorting into permanently numbered assorting bins.
- "12" is the lot number which runs from 1 to 99 consecutively. "A" identifies the store, route or marker, optionally. The first three characters can be used for lots from 1 to 999. Ten lot system colors.
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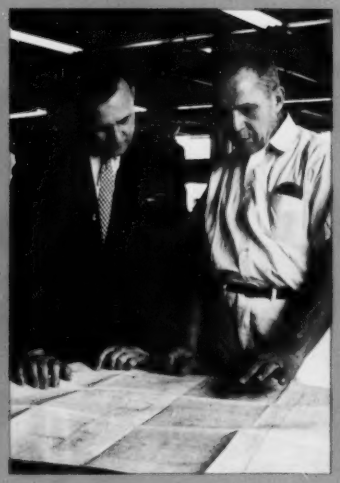

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Ten days or ten years after your purchase from American, you have a question. You want the right answer right away. In 84 communities over the nation, a local call does the trick—brings American's Man from the Factory promptly to your plant. In almost every case, he'll give you the answer on the spot, or, he knows the right man to call. When you need expert help, it's nearby—always.

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The American Laundry Machinery Company, Cincinnati 12, Ohio

PREFACE

The battle of cost reduction is waged continually by the professional laundry industry. It is a never-ending battle that grows steadily rougher and tougher as prices for materials and labor rise.

Each day sees new skirmishes develop. The industry urgently needs arms in the form of more efficient productive machinery as well as still better methods and techniques if this challenge is to be met.

One of the costliest procedures in the operation of a plant is that of identification. Better than 25 percent of all labor hours are spent in such activities as opening the bundle, marking it, listing it, classifying and netting it; assembling it once; re-identifying it, assembling again and finally packaging.

Identification is one of the most complex and controversial subjects in the industry. It is complex because from it all other procedures evolve. It is controversial because there are many systems and many adaptations of each system. Claims and counterclaims abound. Yet every system, properly used, has its applications.

We attempt the subject of identification because it is important. And because we feel it has not been given the spotlight it deserves. We also hope that it may spark the development of still better identification methods in the future.

In this project we owe a debt of gratitude to many, many persons — plantowners, allied tradesmen and identification specialists—who must remain nameless here. We are grateful to them, nonetheless, for without their kind cooperation and advice this issue would not have been.

GUIDE TO LAUNDRY IDENTIFICATION

CHAPTER I

INTRODUCTION TO LAUNDRY IDENTIFICATION

EVERY BUNDLE coming into the plant must be separated, classified and identified. These are basic procedures in every family laundry operation whether the plant is large or small.

Of these basic steps, the identification procedure must be regarded as most important. Without it, no family laundry could hope to stay in business. The reason is obvious.

Identification is an expensive function considering that it does nothing to improve the laundering or finishing processes, nor does it enhance the physical appearance of a completed bundle in any way. It simply identifies the work. This nonproductive function costs laundry management anywhere from 25 to 40 percent of the plant's labor payroll.

Yet an identification system is the framework from which all other systems must develop. It affects every other process and procedure, directly and indirectly. It influences such things as:

- The speed of service
- The order of processing
- The path of workflow
- The manner of distributing work
- The method of folding
- The system of assembly
- The packaging policy
- And customer satisfaction

The cost of identification, therefore, cannot be confined to the cost of the marking department alone. For its effectiveness is also reflected in the cost of operating all other departments.

To have the most effective system, it is essential that standard procedures be adopted, and that these be thoroughly understood by supervisors and employees alike. All must know how the system works and each should be assigned definite responsibility in carrying it to completion.

Types of systems

Generally speaking, there are two basic identification systems—full and partial. But variations on each system are almost numberless.

In partial identification (commonly known as the pin-and-net system) the items are separated, then netted and identified by the *bundle*. The work is priced by the *pound*.

The simplest partial identification system consists of a metal or canvas marker to which are attached large safety pins with an identifying number.

A modification of this is a pin with a metal tag. The tag in this case is slotted and fits only one particular carrier bar. The method provides a mechanical as well as visual check on the order.

Still another system employs a plastic or rubber tube. A wet-strength ticket or invoice is placed in the tube and the tube accompanies the bundle through the washing operation.

In the full identification system *each item* in the bundle is marked individually and the work is priced by the *piece*.

The pen or machine-printed laundry mark offers visible evidence of

this system. A later development is invisible marking which can be seen only under a special-type light. The marks, in all these instances, are placed directly on the items and inks used are indelible. These methods represent the permanent or semipermanent class of full-identification systems.

Metal clips, cloth tabs and wet-strength strip tags make up another category of full-identification systems. In this case, the identifier is clipped, heat-sealed or stapled to each item by special machines. In some instances the tag is premarked; in others not. All these devices, however, are removed—usually before the finished bundle is returned to the customer and always before the next laundering. (Crayon markings may be included in this category, for while such marks are placed right on the garment, they come out in the next wash.) These systems typify the temporary full identification systems.

The perfect system

Much progress in the development of new marking methods has been made in recent years. Each method has won its share of loyal supporters. But the one perfect system that all laundrymen everywhere acknowledge as best has yet to be found.

The only two general conclusions that can be drawn from a study of the subject are:

1. That there seems to be a proper application for every method in use at the present time, and

2. That the application is more important than the method. In short, it's not *what* you use so much as *how* you use it. Every method has its good points as well as limitations.

There are many factors that militate against the development of an ideal system. For one thing, the standards of perfection mean different things to different people.

Then, there's the matter of terminology. The industry needs to standardize the use and meaning of certain words to minimize confusion.

As a case in point, consider the terms used to describe laundry services. Press Finish is known variously as Family Finish, Budget, Economy, All Pressed, Finish Work, etc. At the same time, Family Finish can mean De luxe, Superior, Complete Finish, Hand Finish, Grade A, etc.

This is also true of words used to describe various production processes. In one plant the "marker" may be an employee who breaks, lists, marks and classifies a soiled bundle. In another plant the "marker" may only identify and classify work.

Or take the word "assorter." An assorter can also be described as "a classifier," "one who subsorts for the washroom," "an identifier" and "a breaker." And there are other terms such as dispatching, distributing, subassembly, etc., that need clarification.

Beyond the terminology difficulties, there are other differences that compound confusion.

Local pricing practices influence the bundle size and its contents. On the West Coast practically everything is fully identified and a very small percentage of the work is pin-and-net. Small bundles are list-priced.

In the Midwest and South most plants use pin-and-net. Pound pricing on large bundles is the rule and there is very little individual marking except on shirts.

In the Northeast both systems are popular and many plants use a combination schedule of pound and piece pricing.

In the Central States pin-and-net identification is usually used in the multiservice plants. Pound pricing (including ¾-finish services) is common.

And so it goes across the nation. Some plants use one system more than the other, but most use a combination of systems.

There are differences in plant volume, too, and in the size and type of processing equipment. A plant with a battery of open-end washers faces a different problem from one with a line of 200- and 300-pound washwheels.

There are differences in the number of services offered and in the speed of service desired.

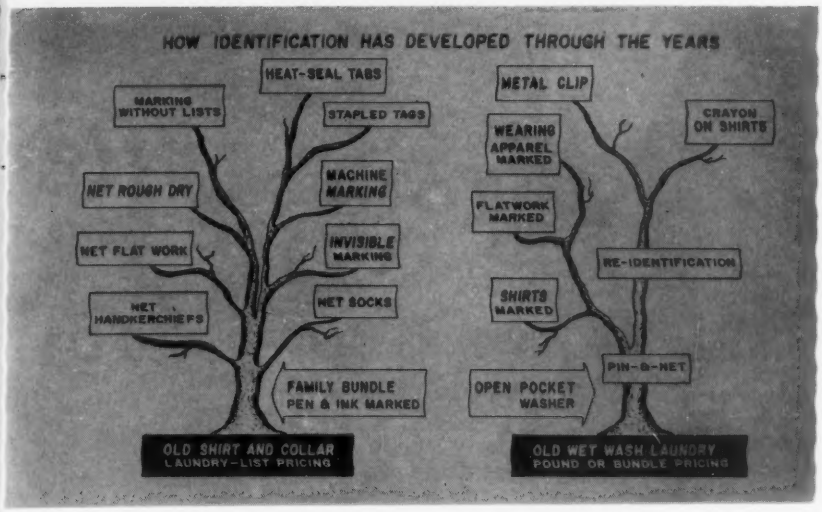
All these factors make the development of one universal system difficult, if not unlikely, since almost every laundry plant's marking problem is a unique one. □□

IDENTIFICATION COSTS

National Averages

Laundering Costs	All Plants 1955	All Plants Laundry Only	Profitable Plants Combined	Profitable Plants Laundry Only
Identifying, Assembly and Packaging Labor	7.84%	7.80%	7.52%	7.18%
Washing Labor	4.29	4.25	4.20	4.20
Finishing and Repairing	19.63	18.56	19.58	18.44
PRODUCTIVE LABOR	32.39	34.02	31.61	33.80
Identifying and Packaging	3.50	3.27	3.37	3.25
Washing Supplies	3.98	3.96	3.91	3.88
Finishing and Repairing	1.36	1.17	1.35	1.17
PRODUCTIVE SUPPLIES	9.32	8.64	9.33	8.46

For breakdown by volume, see Production and Management section. Source: American Institute of Laundering's 32nd Annual Operating Cost Percentages Report, No. 227.



CHAPTER II

HOW TO CHOOSE A SYSTEM

"You got a better way?"

WHETHER YOU ARE PLANNING to put in a brand-new identification or refine the system presently in use, there are certain elements of the plant operation that should be reviewed frequently.

1. Check layout and procedures: There are often minor changes which can be made to increase the efficiency of an operation at very little cost. Check your situation against those that are considered ideal.

Identification department: Ideally, the identification department should be located between the unloading area and the washroom, away from the office and clean bundles. There should be adequate ventilation and plenty of natural light, although direct sunlight should be avoided especially in plants using an invisible marking system.

There should be free access to the operator's work area with a definite place for storing incoming soiled work and identified soiled work. The marking stations should be clean and properly equipped to minimize waste steps and motions. Conveyors or work tables (depending on the system used) should be close by on one hand. And a definite arrangement of bins, hoppers or trucks for classified work on the other.

The operator should have a net holder within easy reach to facilitate loading and a definite storage receptacle for empty nets. Each station should have a wastebasket for papers and debris, and provision should be made for the many small accessories used by the identifier. Where work is priced by the pound, individual scales

First examine present departments—(left to right) identification, damp assembly, final assembly—with these questions in mind: Is plant making

used for weighing bundles are frequently countersunk to be flush with the sorting table.

To insure uniformity in washing loads, many plants use a large platform scale to weigh hampers of work going to the washroom. The platform can also be used to weigh in commercial work and large bundles.

Review laundry classifications to see if any short cuts are possible that will reduce handling in other departments. Examine every innovation that can possibly reduce time, motion and space requirements.

The washroom: The size of a lot is more or less controlled by the capacity of the washing equipment. Some plants have as many as 200 and 300 bundles to a lot. Generally speaking, lot sizes should be kept as small as possible. Anywhere from 15 to 30 bundles per lot is considered average. If work in process is kept to a minimum, then large storage areas before each work area are not required. And small lots also help speed the assembly operation.

Where large washwheels are used, some managements put a lot on each side of the wheel, or a sublot in each pocket. A washer load taking 60 bundles might be divided into four sublots of 15 bundles each. It keeps the work moving along in a definite orderly fashion.

Damp assembly: The damp-assembly department is best situated between the extracting and finishing departments close by the starching equipment. A compact, efficient system here can save management many payroll dollars. The fewer the extra steps, the more conveniently the racks are arranged and the less the congestion, the more bundles will be assembled per hour, thus directly affecting the productivity of the plant.

If damp work coming from the extractors is moved by truck, the route should be the shortest one possible to save time, strength and money.

In the pin-and-net identification system, the assembly is done on reels, trolleys, monorails, pegs and racks. These, too, should be arranged to save the greatest number of steps.

Damp assembly is one of the major crossroads in the production department. Wetwash bundles are assembled here and bundled and bagged for delivery. In some plants, wearing apparel items are removed from the nets and re-identified here for greater utilization of processing equipment. Other work is dispatched to starching and to the various finishing departments for further processing.

There should be adequate working space for the wrapping and dispatching table and any other equipment that might be necessary to the operation, as well as room for temporary storage of laundry.

In some plants the work load to this department is lightened by using a ticket-tube system to identify part of the order. Flatwork, for example, constitutes anywhere from 50 to 75 percent of the bulk weight of a bundle. Instead of sending it through damp assembly, many laundries put flatwork items of an order in 30-by-40-inch, 14-pound-capacity nets with a ticket-tube. The net is washed and extracted and—since it's identified—it goes directly to the flatwork department for finishing and wrapping. One firm did this and cut its damp-assembly staff from three operators to one.

Final assembly: The final-assembly department, where the various parts of the bundle are reunited, checked and wrapped, is most logically located near the call office and route storage area.

Here again, there should be adequate space for storing work on its way in and out of the department.

The number of sorting bins required will vary with the size and number of lots to be processed in a given time. As indicated earlier, the lot should be kept small to speed assembly.

The size of the bins will vary, too, depending on the type of bundle handled. A bin 18 inches deep and 15 inches wide is about standard for wearing apparel, tumbled work and flatwork; 12 inches wide for shirts. Its height will depend on bundle size. Approximately 12 inches for shirts and bachelor bundles; 15 inches for an entire family bundle.

The bins should not be so high as to tire the worker and impair efficiency. The average operator can reach a shelf 5½ feet from the floor with little difficulty.

The sorting of finished work takes time and costs money. There are delays and double handling when an order is held up to wait for an item needing a rewash or repairs. Some managements have averted this by having more than one sorting and

best available use of floor space? Does work flow smoothly without crisscrossing or backtracking? What can be done to speed work process?

wrapping station in the plant. Thus, shirts and wearing apparel might be wrapped out together, while flat and tumble work might make up another bundle. One New Jersey plant makes up as many as four separate bundles to an order. The packaging costs are, of course, higher. But the method does save the space formerly required to store incompleted orders and claims have been substantially reduced.

Many shirt laundries have reduced the size of their assembly department and increased the speed of handling by having the shirt folding operator assemble the shirts as she stacks them in a roll-away sorting bin.

Whether the bundle is wrapped out as one or more units, the only general conclusion that can be reached is that the package should never be too large.

2. Analyze your costs: The progressive laundryman knows exactly where his money is going. He knows his production costs. He knows which services keep him in bread and butter and which ones do not. This necessitates having a system of accurate records, or at least a spot check at regular intervals.

As a result of a bundle analysis, the management of Chin's Laundry, Mobile, Alabama, converted its operation from process grouping (which most laundries use) to product grouping. That is, it took its main plant and converted it into what amounts to three separate plants, each performing a specialized service. One department handles nothing but bachelor work, another does only semi-finish work, while the third concentrates on complete-finish bundles.

Each department acts independently of the others. Each has its own identification, washroom and finishing equipment.

The bundles are channeled into the plant according to the service desired.

The revised setup is said to have

Merger Calls for Many Changes

RISING COSTS and dwindling profits led the Miller and Cascade Laundries, Des Moines, Iowa, to consolidate under the banner Casmil Corporation.

The new corporation's goal was to benefit both plants by utilizing more efficiently the best machinery and labor of each.

It was decided to retain separate sales organizations in competition with each other on the streets. But the production ends of each operation had to be joined.

Each department was analyzed to determine the equipment, space and labor requirements for a weekly average of $16,000 laundry and drycleaning volume. Production figures from both plants helped accomplish this.

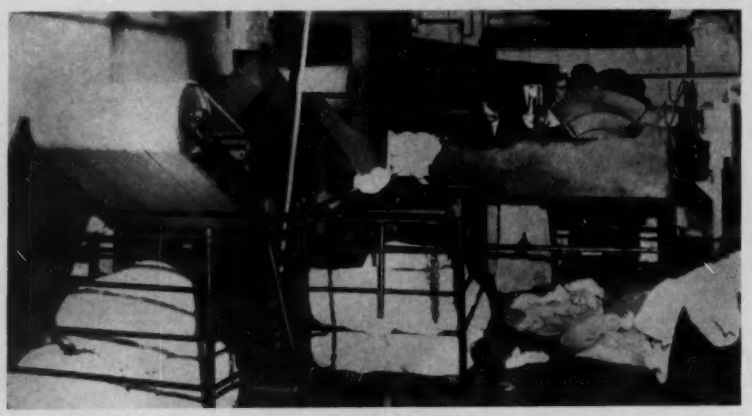
The Cascade plant, which had 34,000 square feet of floor space, was ideally suited for Casmil Corporation. This plant had a 150 and a 260 hp. boiler that were more than ample for the volume anticipated.

Excess machinery left idle by the consolidation was available for sale. Revenue from the sale of this equipment provided cash to buy newer and more efficient equipment which helped to alleviate production and labor costs.

By moving out and renting one building the firm then eliminated all maintenance and engineering costs at Miller's.

In the marking department both plants had used key-tag, pin-and-net identification systems. In this department the management eliminated one bundle sorter who also weighed loads and coordinated lots.

The merger of this department also presented a problem of damp-assembly space. In order to reassemble the bundle after washing, the management had to have a very large space for the damp-assembly monorail. This space was needed for a third flatwork ironer. It was necessary, therefore, to eliminate some of the work passing through the station.



Merged marking department now is staffed by four girls instead of five. Black-ink marking is used on bachelor bundles; other work is pinned and netted

This was accomplished by installing a ticket-tube system for checking in flatwork. By using 30-by-40-inch nets, the bulky flatwork portion of most bundles could be put into one net. The flatwork was then put into separate lots with the size of the lots determined by washer capacity. After the flatwork lot was washed, it went straight to the flatwork ironer, saving the delay and labor of damp assembly. The damp-assembly job, which was formerly done by three people, is now done by one girl.

The bachelor-bundle marking system also presented a big problem since both plants had used different systems, one invisible marks and the other black-ink marks. After a trial with each it was found that black-ink marking was better suited here because it required less space and equipment.

The firm next installed 30-bundle lots, using the lot-within-a-lot system, with key-bars for lot identification. It was found that 120 bundles contained approximately 300 pounds of white work which was ideal for the machine set up for shirt washing. One of the plants had previously used 100-bundle lots and the other 60-bundle lots. By cutting the lot size to 30 bundles, check-out was made easier.

The invisible marking had required three girls and the black-ink marking one and a half girls, plus one lot coordinator. With the installation of the present system, the requirements were cut to three girls and one coordinator, a saving of one and a half girls.

In the flatwork department, which consists of one four-roll and two six-roll ironers, the labor needs remained nearly the same after the merger. The two six-rolls required five girls each,

ended excessive marking, speeded service, increased efficiency, reduced claims and reduced productive labor costs from 25.97 percent to 21.1 percent.

A plant's claim cost can also serve as an indicator of plant efficiency. The national average claim-adjustment cost for all plants in 1955 amounted to .68 percent of sales. By analyzing the nature of claims and complaints, the plantowner may isolate the problem and be in better position to remedy it.

3. Check possible solutions: Once the area of difficulty is pinpointed, watch trade magazine advertising and editorial coverage for stories of other plants that may have experienced problems similar to yours and learn what solutions they have to offer.

Consult with allied tradesmen for possible suggestions. They get around and see a lot. Very often they will be able to steer you to a plant where you may witness the solution in operation at first hand.

Once the decision to try a new system is reached, there are other factors which should be considered before purchase is made.

Purpose: The first consideration is the use to which the system will be put. Some laundries will want a system for the entire plant, others for one department. By determining the purpose, the number of applicable systems will be narrowed down. A wetwash department, for example, would not need a full identification system; a list-work department would. Some systems are specifically designed for handling certain types of work.

Cost: The initial cost as well as the operative cost may also affect the se-

Average Bundle Cost

No. of Bundles	Average Weight	Income Per Pound	Income Per Bundle	COSTS Production	COSTS Sales & Adm.	COSTS Total
Damp Wash						
18	17.44	.0510	1.1111	.9122	.4245	1.3367
Rough Dry & Flat						
1,230	8.48	.1447	1.2268	.8560	.4659	1.3219
Family Services						
2,056	11.39	.1747	1.9893	1.3482	.5875	1.9357
List Services						
5,667	4.35	.1915	.8324	.6697	.3501	1.0498

Cost for Complete Processing

Pounds Produced	Per Pound Identify	Per Pound Wash	Per Pound Finish	Total Cost	Identification
Damp Wash					
443	.0287	.0148		.0435	Marked
Rough Dry					
7,099	.0401	.0148	.0186	.0735	Marked
856	.0580	.0148	.0186	.0914	Clipped

Total Processing Costs

Pounds Produced	Average Labor Rate	Pounds Per Hour	Labor Unit Cost	Supply Unit Cost	Other	Total Unit Cost
Marking Costs						
43,589	.8434	64.39	.0131	.0014	.0032	.0177
Clip Ident. Costs						
4,497	.6378	22.94	.0278	.0013	.0065	.0356
Netting Costs						
1,079	.6667	359.67	.0018	.0019	.0046	.0083

Costs analysis helps management determine which services are profitable, suggests areas for improvement and gives a clear picture of progress. The above samples give some idea of the detailed records some plants keep.

the four-roll four girls plus two check-out and wrap girls, one pillowcase touch-up and one hanky girl. Through the sale of surplus equipment, the six-roll ironers have since been equipped with automatic folders which made each a four-girl operation and eliminated two girls.

The shirt finishing and check-out departments of both plants had been in need of better layout to reduce handling and unnecessary backtracking between the two departments. It was formerly the custom to pile finished shirts into a truck and move them to another part of the building where they were again picked up and sorted into the check-out bins. To eliminate double handling, the size of the lots was reduced to 30 bundles and a checkout bin and wrapping table were put at each shirt unit. The shirts are now taken directly from the folder and placed in the sorting bin. By eliminating the waste motion and backtracking, management was able to save two check-out girls.

Looking at the over-all picture, management was able to revamp each department with the highest production and lowest costs in mind. It now maintains a laundry production of $160 per operator. Average laundry sales for the first year were $10,400 a week with an average productive payroll of 27.9 percent. This production figure ran 2 percent lower than one of the plants had the previous year and 4 percent under the other's.

In all, 28 people were eliminated throughout both plants by better use of equipment, installation of more modern labor-saving equipment and fuller utilization of labor. Costs are now consistently lower and profits higher. □□

Some Identification Production Standards

In pounds or pieces per operator per hour

Identification Department	Type of Bundle	Standards
Netting and Classifying	Damp wash and thrifty	240 lb.
	Rough-dry and finished-family (deduct 25 lb. for listing)	165 lb.
	Damp wash, thrifty, rough-dry and finished-family (deduct 25 lb. for listing)	200 lb.
	(using AIL identification table)	250 lb.
Bagging	White work, pin color for pocket washing	350 lb.
Counting	Commercial	1000 pieces
	Linen supply	1000 pieces
Marking—Pen-and-Ink	Bundle work	200 pieces
	Rough-dry and finished-family	400 pieces
	Bundle work, rough-dry and finished-family	300 pieces
Marking—Machine	Bundle work	225 pieces 90 lb.
	Rough-dry and finished-family	425 pieces
	Bundle work, rough-dry and finished-family	325 pieces
Marking—Marking and Listing by Machine	Bundle work	250 pieces 25 bundles
	Rough-dry and finished-family	450 pieces
	Bundle work, finished-family	350 pieces
Marking Label Listing by Machine	Bundle work, finished-family	350 pieces
Clip System	Finished-family	140 lb.
Invisible System	Rough-dry and finished-family	400 pieces

Note: Figures are with bundle operator. If none is used, deduct 15%.

lection of a system. There are considerable differences in the cost of various systems. Some will require the purchase of special machinery for affixing (and removing) the mark. Others need reels and special lights or may work best with a conveyor system. Find out what accessories are required.

The prospective purchaser should also anticipate and compare the operating costs of selected systems. Some employ reusable identifiers; others require a constant supply of new tags.

The cost of a system should not be the sole determining factor. Consider the effect the system will have in increasing the efficiency of work in departments other than the marking department alone.

Production: Is the equipment capable of producing at a high productive rate? Much will depend on the skill and dexterity of the operator, but identification manufacturers can give some indication of production potential based on experiences with the system in other plants. Check the production figures for the assembly operations, too. And consider the legibility of the mark as another factor affecting production.

Accuracy: There are three ways to identify an order on its way through the plant—by color, number and mechanical means. Some systems have only one means, others more than one. Greater accuracy is reflected in fewer claims. Are there any features of the machine that prevent duplication of numbers, or will the responsibility lie solely with the alertness of the operator?

Operation: The simpler the system, the easier it is to operate and the greater the production is likely to be. Is the machinery automatic or is it operated manually? The fatigue factor should be considered. If the operator tires easily, she will not produce as much. Are the keys large and legible? Are they free-moving? Will the operator have more or less to do?

Safety: Are there any features of the machine that may hurt the operator or make its use objectionable? And if so, what devices are employed to prevent possible injuries or objections?

Installation: Determine whether or not there are any problems to be met in making the installation. Will it require bolting? What connections are required? Are there electrical outlets near the proposed location of the unit?

Maintenance: The complexity of the machine and the ease with which the internal working mechanism can be reached and repaired are important whether your own staff or an outside serviceman does the work. With air-operated equipment, the air-control valves are vital. They must be easy to adjust and replace. Suppose you lose a clip or pin. Can you get by without it? How much will it cost to replace?

Space: Some systems require more space than others. Full identification generally needs more than pin-and-net. The available floor space may possibly influence selection.

Labor: Will the new system require fewer operators? If the staff is reduced by even one employee, it will mean a saving of between $2,000 and $3,000 in the course of a year. Or is the system so complex that it will require longer training periods and a higher-caliber employee?

Preparation: Employees whose jobs will be affected should be advised of proposed changes in advance to smooth the way for a changeover. Failure to forewarn may lead to misunderstanding and have an adverse effect on production. Experience shows that workers will resist change unless they understand what the problem is and know how it will affect them personally. Advise well in advance and set up a plan to retrain operators to make sure they understand the new system thoroughly.

Precedence: Past practices may influence buying the equipment from one manufacturer to reduce parts inventory or to obtain better field engineering service.

Guarantee: Check the warranty or guarantee. This is important in buying new machines and even more so on rebuilt or secondhand ones.

The purchaser considers many of these factors subconsciously, but a check list is helpful for keeping these points in mind. □□

Final assembly

CHAPTER III

FULL-IDENTIFICATION SYSTEMS

THE MOST NOTABLE characteristic of a full-identification system is the individual mark. Every article in a customer's bundle is identified. It differs from partial identification where only the bundle unit is marked.

The full-identification system is found in plants offering bachelor service and list-price work where finished laundry is charged by the piece. It is also recommended in plants that attract relatively small bundles which make the netting of work into several classifications bothersome and uneconomical.

The primary aims of the full-identification system are: (1) to mark each item so as to establish positive identification, and (2) to enable the plant to mix customers' work so as to make maximum use of productive machinery and labor. The mixed work in this case becomes an economic unit of production known as the "lot."

Generally speaking, a full-identification system takes up more space in the laundry than does any other system for both classifying soiled and sorting clean work. And it requires more operators in the identification department. However, it does give a plant better claim control and frequently results in reducing machinery requirements.

While full identification has solved some problems it has created others.

1. One of the thorny issues revolves around the method of marking. If marks are to identify the bundle items, what kind of marks should they be? Some plants prefer a *mark record system*, while others prefer *code marking*.

Under the mark record system the customer is assigned a permanent number which identifies all his work. Plants that use an addressograph customer record find that they have practically an automatic mark record system. Those not using addressograph must keep a marks register. While this takes time, the advantage here is that stray items that turn up can *always* be identified, which is not always possible with other systems.

Plants using a code mark employ a mark that is made up of the first couple of letters of the customer's last name and the last two or three numerals of his street address. With this sort of "wild marking," identification is faster and the marks register is not considered a necessity.

A completely "wild mark" has no specific relation to the customer's identity. Premarked tags and tags bearing simply the lot and bundle number fit this latter category.

The method of marking (and the number of characters in a mark) affect the speed of the identification procedure as well as the ease and speed of the assorting operation. It will also determine whether the sorting bins are permanently numbered or whether the numbers will have to be posted on the bins from lot to lot. It means the difference between sorting the work in numerical order or some other fashion.

2. Another controversial issue involves the question of "listing." Where work is marked by the bundle and priced by the pound, as in the partial-identification system, it is not considered necessary to keep a record of the bundle contents. In full identification, however, the list serves as the basis for pricing and as a check on assembly.

These are good reasons, to be sure, but there are full-identification plants and systems that do not advocate listing. Some use a lot control system and others take the attitude that the plant will have to pay claims on missing articles whether they list or not.

There are two broad classes of full identification systems:

1. The permanent, or semipermanent, class in which the marks are affixed directly to the garment with indelible inks.

2. The temporary, or nonpermanent, class in which the mark is

LISTING PROCEDURES

Listing machines, between scale and marking machine, are used to give printed record of bundle contents on customer's invoice to insure proper pricing. Modification of listing procedure is shown at right. In this case, the operator names the item aloud as she identifies it and the description is picked up by synchronized tape recorder at center. It is still necessary to re-list pieces on the customer's invoice, but this work is handled by "transcribers" who play back the tape and record the necessary information. At Regal Laundry, Baltimore, Maryland, two transcribers handle all the listing for eight markers.

One manufacturer of temporary marking machines is currently experimenting with a list recorder setup in Ireland and reports one plant's production on a seven-piece bundle as having been increased from 215 to 295 pieces per operator hour.

carried by a tag, tab or similar device that can be removed by the plant or customer.

Both classes have specific merits and limitations that warrant investigation.

Permanent systems

As a class, the permanent systems offer the most positive method of identification since the mark is part of the item and cannot be removed. The mark may fade in time, but a good indelible ink will last through many washings. This means that the article will not have to be re-identified every time it comes into the plant, and there are no tags to remove.

There are certain articles, however, that do not lend themselves to the permanent marking. Dark-colored materials and nappy items such as towels and blankets that do not show the mark are often "flagged"—i.e., the mark is put on a tab and pinned to the article. Fine linens and specialty items may also warrant "flagging" where invisible inks are not used.

"Here's your invisible ink, Bessie."

Pen-and-ink: In this system, the mark is hand-written on the article with indelible ink. While it requires a minimum investment, the process is slow and requires an operator with a legible hand. Old marks (and marks from other plants) have to be obliterated and new marks cannot be too large. A careless operator can make the assorter's job even more difficult. And there is some possibility of damage to the article when ink is spilled.

Machine mark—visible: The machine mark is, of course, faster than the pen-and-ink system and the numbers, although still relatively small, have a consistent legibility. The initial cost of equipment is naturally greater than for pen-and-ink.

There are a variety of good machines on the market. Some are manually operated; others, air-driven. They may have 6, 8, 10 or almost any number of character wheels depending on the plantowner's needs. The type of coding used is an important consideration here. It may mean the difference between changing one digit per customer bundle or 4 and 5 digits.

Machine marking—invisible: This system has several advantages over marking with visible ink. It makes possible the use of a large, legible mark that can be placed in a conspicuous place on the article. This results in faster, more accurate sorting.

If extremely large marks are used (approximately ⅝-inch high) it is necessary to keep a customer mark record. However, marking machines are available with somewhat smaller type (but larger than the type that can be used with visible ink) which makes possible the use of wild marking without the record.

The manufacturer of invisible-marking machines equips these units with list counting and printing machines that work sympathetically. When the list is printed, a lock device prevents any further count being put into the lister and the marking machine becomes inoperative until both machines are cleared.

Installations of four or more marking units may also be equipped with a split conveyor which automatically provides classification for processing of the major portion of the bundle.

Invisible marking solves the problem of the plantowner who believes his customers do not want to see a laundry mark but like to know it is there. It should be noted that invisible-ink marking requires the use of special blacklight fixtures and the absence of bright sunlight conditions in the marking and sorting departments.

Temporary systems

Until quite recently, all full identification was done by permanent marking. The development of the temporary mark introduced some important changes.

1. Instead of putting the mark directly on the garment these systems employ intermediary devices which are affixed and removed from the article while it is in the plant.

2. Instead of identifying the order by the customer's name (or permanently assigned number) the temporary systems identify the bundle by its place in the lot.

These changes make it possible to return the laundry to the customer without a mark. Also, the identification procedure is usually faster, because the operator is not required to hunt a mark or decide on a new one. And because, where colored tabs indicate the lot, the supervisor can easily spot and advance stragglers. And because at the assorting stage, the operator does not post the marks since the same numbers are used for every lot.

Most temporary systems provide a three-way check on an order by color, lot and bundle numbers. Unskilled operators are said to be easily trained in procedures.

But while there are advantages to these systems, again there are also shortcomings. The initial cost of some of the specialized machinery is high. And, as some plantowners point out, the devices used to carry the mark are not cheap.

Temporary marking also necessitates the marking of every item in a bundle every time it comes into the plant. There are no "pass ups" such as are experienced in permanent-mark plants.

Some systems use stapled tags that can be affixed to all types of articles and materials; the others may require the use of a flag or net in certain instances.

The removal of the tag may also pose some problems. Wherever there are fragile items and/or careless operators, there is danger of damage to the article. And if the identifying device falls off accidentally, there may be difficulty in returning the article to the proper bundle.

Metal clip: This method makes use of a clip identifier which is attached and detached by mechanical means. It is the only system that requires reassembly and return of the identifying device to the marking room.

Each clip bears a lot letter, a bundle number, and is keyed to fit only one carrier, or identifier bar. (Wearing apparel identifiers are further distinguished from flatwork identifiers by the letter "W" or "Z".)

The clips stay with the item until the bundle has been sorted. The order then goes to a detaching machine before wrapping. The detaching unit will remove only those clips that belong to the order. This checks the possibility of mix-ups. Another mechanical check is provided when the identifier bar is run through a counting device. If a bell rings this indicates that all the clips are present and that the order is complete. And if it doesn't ring the operator knows there are pieces missing.

Clips can be used for all services in the full-identification plant and are often used in the re-identification of wearing apparel and shirts to be finished after damp assembly in the

PERMANENT MARKS

PEN AND INK

NEL 49

MACHINE MARK VISIBLE

AE8753

MACHINE MARK INVISIBLE

Gr JONE27

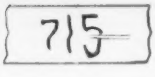
(As seen under black light)

TEMPORARY MARKS

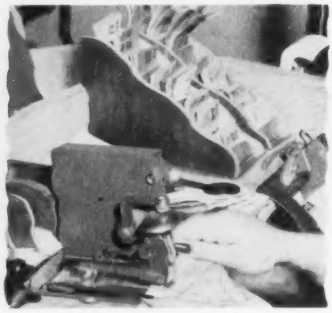
METAL CLIPS

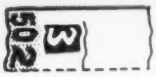
Stapled Tags

MACHINE PRINTED



PREMARKED





pin-and-net plant. This enables all bundles, regardless of service, to be classified alike for washing in the order they are received. Damp-wash *white work, for example,* can be washed with finished-family or bachelor-bundle white work. *This means that usually no more than five washing* classifications are necessary, that *washing lots can be uniform, and* washers operated at full capacity.

The possibility of mechanical damage to materials and equipment is *often cited as an objection to the system.* But small pieces and fragile *items, such as handkerchiefs, table* linens, knitwear, etc., can be netted and the clip attached to a tape used to tie the net just as in other systems. *There are plants that run clipped* work through flatwork ironers and *others that even fluff clipped articles in reduced-speed tumblers and tumbler*s with padded ribs with *no ill effect.*

Stapled tags: The tags used in the staple system may or may not be premarked. *The plantowner can print his* own tags. But while this gives him *greater flexibility it requires the pur*chase of a special marking machine. Such machines take a roll of wet-strength paper, mark it, cut to size and staple it to an item all in one operation. Such machines are usually *recommended for plants doing better* than $1,000 a week.

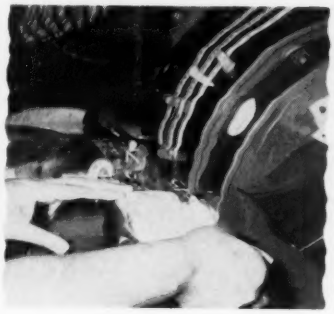
Premarked tags *come already printed so that a machine is not* needed. But they require extra handling. The proper ticket must be selected, the stub detached, folded on the article and stapled to it.

Both the machine-marked tags and *the premarked tags come in a variety* of colors. But the colors do not serve *the same purpose. Using machine-marked tags (stapled or heat-seal) it* is easy to assign a different color to *every lot or to use the color to in*dicate the day of the week the work was brought in. All that is necessary is to pick a color and stay with it.

The colors of the premarked tags, however, serve to differentiate one *bundle from another in a lot. The reason for this is that the premark* system is based on the number of *pieces in an order whereas the ma*chine mark takes no particular notice of bundle size. In the premark setup it is necessary to count the pieces first, in order to select the proper ticket to identify the bundle. For example, if a *bundle has seven pieces, the marker* must select a ticket that has seven item stubs or one bearing a number *ending in "7", depending on the type* of premark system used.

In the machine-mark system, the number of items in an order is of no importance. The color of the tab and the first digits denote dates and/or

HEAT SEAL



AB 16

lots; the succeeding numerals denote the customer's bundle.

Change of color for each lot is best suited for plants doing not more than 65 lots in a 5½-day work week. Change of color for each day is most widely used in plants doing over 65 lots a week. Small lots—of 15 to 30 bundles—are recommended to speed sorting.

Premarked buttonhole strip tags make it unnecessary to staple shirts or other items that have buttonholes. Instead, the tag is looped through one of the holes and then stapled on itself. The tags come in six colors and are also numbered to keep track of the order by lot as well as by individual bundle. After the tag is attached to each item in the bundle, in this system, the marker lists the items on a three-part laundry ticket with the aid of a billing machine which prints an abbreviated description of the item and its price. The tags and machine-posted bill are then used to check out the bundle in assembly.

Premarked tags provide a fast simple means of manual identification for the small plant and the plant-within-a-plant setup. They also simplify and speed assembly. But in order to function, they require a complete set of tickets to handle bundles of every size and this stock must be replenished continually.

The chief advantage of the stapled tag system is its adaptability for use on every type of item or material. The only caution to be observed here is that the tag must be removed carefully to avoid damage.

OTHER MARKS

Premarked buttonhole strip (attached)

BELLEVUE
HOSPITAL

Linen monogram

E135JACK D23

Industrial type (heat-set ink)

Heat-sealed tabs: In many respects, the heat-seal method of identification is very similar to the machine-marked stapled tag system, the chief difference between them being the tag and the method by which it is attached to an article.

In this case, the roll of tape from which the tabs are made has a thermoplastic adhesive base and binds to the garment when heated. The heat is provided by a special machine which prints, cuts and heat-seals in one operation.

Generally speaking, the heat-sealed tabs offer greater safety than stapled tags on most items. They hold firmly yet can be easily removed. This is facilitated by the fact that one corner of the tab is not affected by the heat, thus enabling the sorter to pull the tab off by the free end. The tabs may leave some slight mark or residue on being removed but it is not likely that this creates any serious objections on the part of the customer.

The heat-sealed tab, however, lacks some of the versatility of stapled tags. Certain materials do not respond properly to the heat-seal method. The tab may stick too firmly on synthetic materials and not firmly enough on nappy goods such as bath towels. (The hem of a towel may serve to carry the mark, but this requires rather careful positioning on the part of the operator.) These items have to be identified and tagged by some other means.

The heat-sealed tab also takes longer to apply since each tab has to be heated. (One fully automatic machine is timed to mark an article every 4½ seconds.) This time can be used to advantage, however, if the operator is trained to prepare the next piece or bundle during the three seconds the article is held by the machine.

* * *

Every system has certain advantages as well as shortcomings. None is perfect. And it's not likely that a perfect system will ever be developed.

Each has a place in the laundry and the finest of them is the one that is best suited to the particular needs of the plant. □□

CHAPTER IV

PARTIAL-IDENTIFICATION SYSTEMS

THE SYSTEM of partial identification differs from full identification in that the customer's work is marked by the bundle instead of by the piece. And the service is priced by the pound instead of by individual item.

Partial identification is generally recommended in the handling of family work, but its economic success requires that the individual bundles be large. A bundle under 12 pounds weight, for example, would be impractical if not difficult to separate into very many categories.

The partial-identification system lends itself particularly to laundries offering unfinished services such as wetwash, fluff- or rough-dry, etc., where the items may be kept close together without too much difficulty. Where finished services are offered, the bundle has to be reassembled for distribution to other departments. While the order is kept together as a bundle unit, there are few problems. It is only when the items are removed from the net that there is possibility for mix-ups, unless the items are re-identified by some other means after damp assembly.

Partial identification requires less space and fewer operators than are required in a full-identification system. And it is faster. Its chief advantages lie in the fact that it does not require the individual pieces to be counted, marked, listed or sorted.

The nets used serve to protect the items. The individual pieces bear no marks, tags or staples, so that the order is not affected by these devices in any way.

The color of the nets may also serve to classify its contents as starch, no-starch, tumble work, etc. The use of colored nets, however, increases the net inventory and someone must keep the colors separate for reuse.

Pin-and-net

Commercial laundry service in its simplest form is the laundering and finishing of a family bundle by a laundress for hire. Her unit of production is the complete bundle belonging to one family. When it is finished, she then undertakes the next bundle. In this procedure, no identification of the individual articles is required. The purpose of the pin-and-net (or bundle) system is to accomplish this same procedure on a commercial production basis.

The small neighborhood laundry operator with his battery of 9-pound washers very nearly duplicates the services of a hired laundress. His unit of production is a washerload of laundry belonging to one customer. Classification is held to a minimum and, basically, the whole bundle goes into one washer with no identification except the ticket that follows the bundle. Where a few articles cannot be washed with white work, it is a relatively simple matter to put the fugitives in an adjoining washer and identify the load with a slip of paper bearing the customer's name.

The neighborhood plant that enlarges its facilities to include 25-pound washers finds this procedure to be generally impractical or at least uneconomical. To get full value out of the equipment, small bundles must be washed together. Where only two individual bundles are involved, it is a simple matter to net one and wash the other loose in the same washer. Where many small bundles of fugitives have to be washed together, a more positive form of identification is required.

In the professional plant offering a variety of services, the problem grows even more complex. There are family bundles to contend with, as well as bachelor bundles, shirts, etc. And the items are not only washed and dried but very often finished. For these, the pin-and-net system offers one solution to the identification problem.

The net is an essential part of the system. It is made of cotton or nylon and is available in a variety of sizes

Note on Nets

While the net is an essential ingredient of the partial-identification system, its use is not confined exclusively to pin-and-net plants. All laundries use some nets in their operations. Nets are used for separation, protection and classification of work. Separate nets are required for socks, handkerchiefs, shirts, body clothing, etc.

Improper netting practices affect the quality of laundering adversely. For best results do not overload. Overloaded nets can cause poor washing and rinsing as well as faulty bluing. Try to keep within the limits recommended by the chart below:

Net Size (inches)	Maximum Load (dry weight)
18 x 30	4 lb.
24 x 36	7 lb.
30 x 40	10 lb.
30 x 45	11 lb.
35 x 45	13 lb.

The best way to prevent overloading is to weigh each load. If this is impractical, it may help to memorize the average weights of certain standard items of apparel.

and colors. The order (or parts of it) is placed in a net and sealed with a numbered safety pin.

The pins used for netting are rust-proof (usually of brass) and come in sizes ranging from 3½ to 5½ inches in length. Smaller pins used for marking individual pieces are about 2 inches long.

The pins are made up in sets each bearing a corresponding number. Pins of like number are kept in order on a canvas or metal carrier which has the same mark or number. Each carrier represents one customer's bundle, and each carrier in a set has the same number of large and small pins.

The actual number of pins will depend on the classes of laundry work made available to the customer.

One firm specializing in identification equipment offers carriers in three different sizes. The largest has 32 pins—12 net pins and 20 marking pins—and is said to be the most flexible since it has enough pins to handle the classification of a bundle of almost any size.

The carrier has a number (which stands for the customer's identification mark) and a set of abbreviations to indicate the classifications into which the bundle is divided for the washing process. The abbreviation "FT," for example, represents flatwork; "HD" for handkerchiefs; "ER," emergency, etc. All the pins carry the same number and the larger pins also carry the abbreviations. In this way the system not only identifies the customer but the contents of the net. This feature is helpful in assembling and checking the bundle, for in the event of a shortage the assorter would know what's missing and approximately where to look for it.

The medium-size carrier has 6 large pins and 10 small pins—16 in all. Each is marked exactly like the larger set described above, except that it provides fewer classifications, which tends to restrict its flexibility. This set is said to be adaptable for wetwash, thrifty, straight flat, rough-dry and other services that exclude starching.

The smallest carrier has 14 pins and is designed to handle flatwork only. Since it is understood to be used for only one service, the pins and carrier just bear the number. The carrier does have a few abbreviations, however, and these identify towels and mats, rugs and blankets which may be contained in the order.

It is possible, of course, to use a set of small pins for each order as a full-identification system by pinning every item. And at least one identification equipment firm provides a pin-set to be used in just that way.

The system is designed for plants operating with 25-pound open-end washers. The carrier, in this case, has 15 small pins all bearing the same number as the master. No nets are used since the pins, in most instances, are attached to the individual items in the order. The manner in which the pins are removed from the carrier serves to indicate the contents of the bundle.

The marker starts out by breaking the order into four classifications: shirts, fugitives, specials and white work.

First, all the shirts in the order (both white and colored) are marked individually with a pin. The pins are removed from the carrier in clockwise order. When all the shirts are thus identified, the next succeeding pin is given a paper tag. This pin and tag stay on the carrier and serve as an indicator. Thus, if four shirts are counted, the fifth pin will hold the tag. The four empty holes preceding indicate the number of shirts.

The next pins following the tagged pin are assigned to the fugitive articles, and are likewise removed in clockwise order.

The specials (such as work pants that need ironing) are also pinned individually. But the pins are taken from the other end of the carrier in counterclockwise order.

The remainder of the bundle which comprises the white work is then wrapped in one of the sheets and the carrier with its remaining pins is wrapped inside.

When the lot (here recommended to be kept at 10 bundles) reaches the washing area, the white-work bundles are washed individually—one bundle to a washer—and the carrier is hung on the washer to identify it. Since the other articles in the bundle are marked individually they can be mixed with other orders. The white work, of course, is *not* fully identified and cannot be mixed.

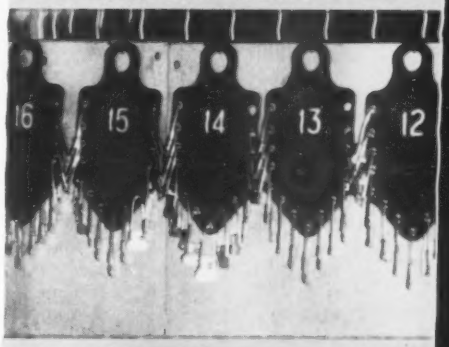
This system employs a lot truck in transporting the work to the washing area, and a compartment cart to carry the work to the finishers.

Key-bar system

The key-bar system of partial identification is basically the same as the pin-and-net. The only differences are these: (1) the carrier is replaced by a specially constructed metal bar; (2) the pins carry slotted metal tags which fit only that bar of which they are a set. These differences provide a double check on assembly operations. While the operator sorts by matching the number on the tag with the number on the bar, the tag will

PIN-AND-NET

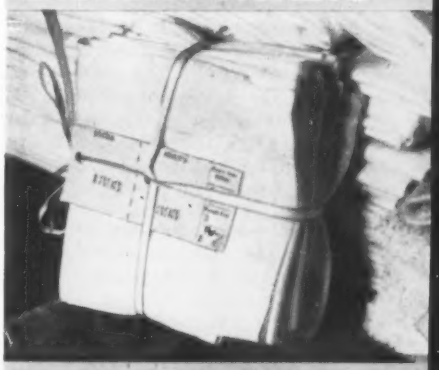
PARTIAL IDENTIFICATION



FULL IDENTIFICATION

KEY-BAR

LAUNDRY TICKETS



Shirts are counted, priced and netted; invoice accompanies order in black rubber ticket tube to left of marking machine. The machine is used to identify wearing apparel items

Ticket Tubes For Shirts

TICKET TUBES are used at Utopia Cleaners & Dyers, Inc., Birmingham, Alabama, to keep track of shirt bundles.

This identification system and the practice of having the shirt girls fold and sort customers' work is said to have cut shirt processing time in half. Here's the way it works:

Step 1—Counting and netting: Two girls are employed at the initial stage of the operation. One girl breaks the shirt bundle to verify the count with that given on the accompanying shirt ticket. She marks the total number of shirts on the ticket, prices the order and slides the ticket and the order to the second girl.

The second girl takes the ticket and puts it in a waterproof tube that resembles a bicycle handgrip. The tube and shirts are then placed in a nylon net and pinned closed. The nets come in four sizes—one holds 1 to 3 shirts, another 3 to 6 shirts, a third 6 to 9, and the largest holds 9 to 20 shirts. Each net contains only one customer's shirt order.

A yellow nylon net serves to warn the washroom that the enclosed order requires special consideration, such as fast service or special starching instructions. (All shirts, except Oxford, are given a light sizing unless the customer specifies otherwise. During the average week only about a dozen such requests may be received.) These are kept separate from the bulk of the work and the washman is instructed orally as to their disposition. Regular orders are sized in the wheel; specials by hand.

No other devices are used to distinguish the shirt bundle. The pins used to seal the nets have no identification value in themselves.

Step 2—Shakeout and lot assignment: The shirts are moved by hamper to a work station tended by two girls. One opens the nets, shakes out the shirts and places them on a small table along with the invoice, which she removes from the ticket tube.

The second girl assigns a number from 1 to 8 for each order as she comes to it—1 to 8 because each lot is made up of eight bundles. For example, the number "1" would be penciled in the collar of all of Mr. Brown's shirts and a "1" would also be marked on his ticket. Mr. Smith's shirts and ticket would be marked "2", another customer would be "3" and so on until the lot is completed. It makes no difference how many shirts are contained in the net; only one number is assigned to each customer.

On the next lot the girl begins all over again marking each order and ticket from 1 to 8. The lots are distinguished from each other by the fact that they are marked with different colored pencils. One lot is marked with a green pencil, the next with red, the third blue, etc. In all, the plant uses six different colors to distinguish lots. Pencil marking is preferred since the number is washed out with the next laundering.

Step 3 — Finishing and assembly: Each of the plant's five shirt units is assigned a complete lot. (Splitting the lot between units would defeat the system.) The only precaution taken is to see that no unit gets two lots of the same color, at the same time.

Each shirt unit is provided with a roll-away sorting rack which is divided into eight compartments—one for each shirt order. A clip on each rack holds the tickets for that lot. As the folder completes her usual operation, she glances at the penciled number in the shirt collar and places the shirt in the compartment bearing that number. When the lot is completed, the rack is rolled to the packaging department for checking and wrapping.

Step 4—Checking and wrapping: The checker-wrapper takes the tickets from the rack clip and compares the invoice with the actual number of shirts in each bin. The penciled number in the collar corresponds with that on the ticket. The shirts are then wrapped in one package and the ticket is pasted to the outside, all ready for delivery. □□

not fit the bar unless said numbers are matched correctly. The key-bar thus provides a mechanical check on the operation.

The key-bar is sturdy enough to carry the weight of the heaviest bundle and, at the same time, its principle is so flexible as to allow it to be used in many different ways. It can be attached to a wall or a rack or even adapted for use with a conveyor system.

It can be used with almost any number of pins, both large and small. The number of pins, again, depends on the number of classifications used. The number is usually kept small and the assembler or assorter can tell at a glance when all the pins are present without counting them. The order is completely accounted for only when *all* the pins are returned to the bar. If through some error a pin is lost or misplaced, the bar *cannot* be used until the pin is replaced.

The key-bar system requires no elaborate set-up or specially trained help. It can be used for all departments or for one special service.

Ticket tubes and washable tickets

Where only one type of service is offered (for example, shirt laundering) it is possible to put the original invoice in a *waterproof tube* and include it with the order in the net. So long as it stays with the net, the order is—for all purposes—identified.

To make full use of equipment capacity, operators will break the bundle and re-identify the shirts individually with colored pencil or crayon marks which come out in the next wash.

A number of family laundry plants use a wet-strength ticket with a rubber or plastic tube to identify flatwork in much the same manner. Using this method it is possible to eliminate damp assembly with the bulk of the work. At least one plant dispenses with the tube entirely and simply places the identifying ticket in a pocket sewed *inside* the flatwork net.

A number of pin-and-net plants have developed multisection and multicopy *laundry tickets* which can be used in the identification process. At least part of the ticket is wet-strength and it is designed for use with an addressing machine and listing equipment.

This method provides needed copies of the ticket for the customer, the route salesman or call office, the business office and the production end of the plant.

The production stubs are numbered to indicate the type of service desired. The full-identification plant would,

of course, have no need for such identifying stubs, but the other data would be helpful for sales and production analysis and as a sound basis for handling claims.

Besides reducing the work of the damp-assembly department, the multisection laundry ticket is said to have these advantages:

1. The stub can stay with the biggest part of the order all the way through the plant.
2. Production need not be interrupted because of delays in handling slips in the office, where production stubs are attached to a key-bar and go directly to damp assembly from the marking room.
3. Where the route salesman has his own series of tickets and uses them in numerical order, his route order for delivery is automatically established, thus simplifying the loading of the trucks.
4. Training new operators is made easier and the system is said to be an aid in reducing claims.

On the other hand, these factors should also be considered: With the multiticket arrangement, various parts of the bundle are wrapped out separately with the result that it becomes the route salesman's responsibility to match up his own bundles. Also, the ticket system has to be tailored to the operation. This means that a great deal of time and experimentation must go into developing such a system in individual plants.

Summary

Partial identification has many advantages and it is not likely that this system will ever be abandoned. Like many systems, however, its strong points also seem to be its weakest links.

While it is possible to mark work at a faster rate, the classifier plays an important role here and must display a high degree of alertness, speed and skill.

While there is merit to marking in work by the net, there is no easy way of checking individual pieces that may stray from the bundle.

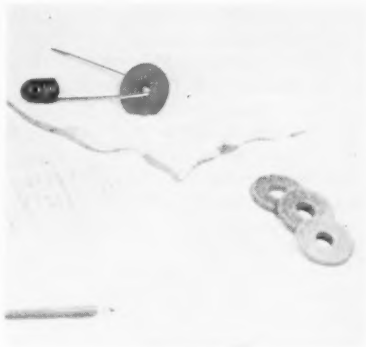
And while there are advantages to keeping all the work together, the processing time is increased because the articles must be finished by the bundle if identification is to be maintained.

Finally, many observers of the field note that family laundry bundles are becoming progressively smaller, thus tending to make the partial-identification system less economical. And they point out that most pin-and-net plants today need some form of full identification, particularly through the shirt and wearing apparel finishing departments. □□

SUPPLEMENTARY DEVICES

SOILED-BUNDLE MARKERS

TRAYS



STARCH MARKERS

CONVEYORS

SUPPLEMENTARY DEVICES

In addition to their regular identification systems, laundries use an assortment of supplementary devices to see that the work receives proper attention and/or that it is kept in orderly sequence on its way through the plant.

Soiled-bundle markers

Where soiled bundles are stored in hampers, some plants use a supplementary marker to indicate the day the work was brought in and its source, whether from office or route. In this way it is possible to indicate the urgency or the sequence of a hamper load on its way to the marking department.

The devices used for this purpose are canvas, wood, fiberboard etc., and quite often are homemade. They may be coded by color, number or design.

Starch marker

At the marking stage, some plants make use of colored rubber discs to indicate starching requirements. The discs are roughly 2 inches in diameter and contain a dime-size hole in the center. They are slipped over the pin used in closing the net.

These discs can be used several ways depending on the number of starching classifications available. One plant pins two discs to a net of shirts requiring heavy starch, one for medium starch. No disc, of course, means no starch.

After the regular washing cycle is completed, all the no-starch nets are pulled from the wheel, and the remaining nets are given a 10-minute

starch run. The few requiring heavy starch are hand-dipped. The discs help to differentiate the work. (To minimize handling, some firms make it a practice to put all no-starch nets at one end of the wheel.) Discs of different colors may also be used to denote classification.

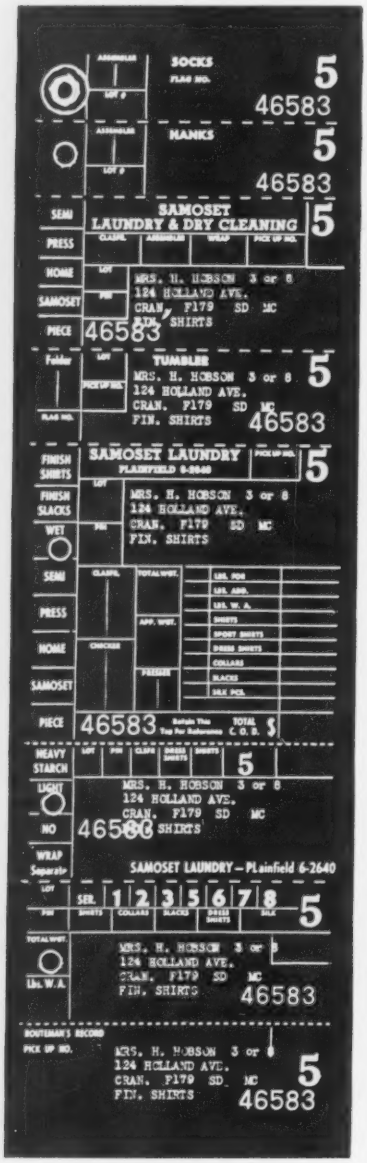
Finishing markers

Another group of markers includes those that are used for routing the various parts of the bundle through the finishing department after the pins have been removed in damp-assembly.

The marker, or flag, in this case is usually made of a heavy piece of canvas about 6 inches square and bears a number that corresponds to the number on the particular master marker to which it is assigned.

The number of markers required for each bundle varies with each plant and with the services it has to offer. Generally speaking, however,

Multisection Ticket Cuts Claims



Front of ticket separates services on perforated stubs. Last two stubs are for office, routemen. Large route number is different color for each route; invoice number matches

SHORT BUNDLES and a claims average amounting to 2 percent of sales encouraged the management of Samoset Laundry, Plainfield, New Jersey, to look for a better way to keep track of customers' orders.

The problem was approached with this premise in mind: Delays and errors could be reduced if there were some way to keep the laundry list with the order.

After a great deal of experimentation, the firm developed a multisection ticket which made this possible.

Many other pin-and-net plants use multisection tickets in their operation. The idea is not new. The novel part of the Samoset ticket is the laundry list on the reverse side. This list is so arranged that each department gets only that part of the list that concerns it directly. For example, the tumble department stub has only that part of the laundry list that itemizes towels and other such articles.

It took management a year and quite a bit of juggling to make the ticket work out this way. The plant is now divided into four separate and distinct departments—flatwork, wearing apparel, shirt and tumble. Once the work gets past the damp-assembly stage each department is responsible for finishing, assembling and wrapping its own work. This means that the patron receives his completed order in anywhere from one to four packages, depending on the contents of the bundle.

The ticket would, of course, have to be modified for use in other plants. For to have the system work satisfactorily requires the proper grouping of equipment, adequate space for assembly and wrapping, as well as a certain amount of customer cooperation.

The ticket

Front: Samoset's ticket is 4 inches wide and measures just over 12 inches in length. It is a multiple-stub affair which is perforated so that it can be torn into eight sections.

One section accompanies socks, another handkerchiefs, the next tumble work, and there are stubs for wearing apparel and shirts.

In addition, there's a stub for the route salesman's record and another for the office. The latter is used for billing, and as a check on service popularity, production and dollar volume. Although the present ticket carries eight numbers—one for each type of service—Samoset currently offers only six services. They are wetwash, rough-dry, press-finished, two types of hand-finish service (with and without starch) and list bundle.

Each section carries an invoice number as well as a route number, printed in a different color for each of the eight routes. The ticket used by cash-and-carry customers has no route number, it is yellow while the route tickets are white.

Back: The reverse side of the ticket has a laundry list and a space for the customer to list articles valued at more than $25. As mentioned previously, the list is purposely arranged in groups corresponding to the department in which the items are to be finished.

There is also a section devoted to customer control. The route salesman fills this out, giving the date of call and the type of service normally requested. If the laundry is being done in the home, he checks whether it is being done by a laundress (L) or by the customer herself (S). He also notes whether it is being done by machine (M) or by hand (H). If the competition is coming from outside the home, boxes are provided for checking laundermat (L), hand laundry (H) or other plant (PL).

There is also provision made to check the reason for discontinuing service—whether it's because of price (PR), quality (QU), service (SER),

an all-finished bundle and a rough-dry bundle will require two such markers. Flatwork and thrifty will require one and wetwash none.

The bundle is assembled in the damp-assembly department, the pins counted and removed from the nets and the supplementary identifier, with number corresponding to the pin number, is placed with the flatwork and one with the wearing apparel. These markers accompany the work to the assembly department.

No such marker is required for an unfinished service or for the unfinished part of a semi-finished bundle. Nor is a marker required for fugitives or articles pinned out with small pins. In such a case the small pin will remain with the article through the finishing department and until the garment reaches the assembly department.

One plant uses sets of drapery

a claim (CL) or because the customer has moved (MO) or is considered a credit risk (CR.R).

How the ticket is used

The office stencils the customer's name and address on six of the stubs. The stencil gives the number(s) of the service subscribed to as well as such information as shirt identification number, starching preference, where delivery is to be made, the customer's credit rating with the company, etc.

The route salesman leaves this prepared ticket with the customer as he makes his weekly call. About 70 percent of the patrons make use of it.

On reaching the plant, the bundle is weighed in and classified. Shirts and slacks are individually marked while the remainder of the work is pinned and netted. When the lot is closed out, the work goes to the washroom while the tickets go to the office for pricing. (Twenty-five orders make up a lot.)

The office prices the order by machine, carrying the cumulative total on three of the stubs—once on the wearing apparel stub, once on the shirt stub and again on the office stub. Since the office uses a standard rate schedule for pricing, it's up to the mark-in girl to call attention to any item that might need additional handling and bring the price in line with the service rendered. If any change of this type is made or if any item is removed from the order, for one reason or another, the item is circled on the list and the party responsible initials it.

To simplify marking in Samoset customers are urged to pack laundry bundle in prescribed manner, starting from bottom with sheets and working up in layers as shown. Prearrangement speeds sorting, minimizes errors and losses

If the mark-in girl notices a discrepancy between the customer and company count, she clips a memo to the ticket. The office then phones the customer and reports the shortage. Usually the customer recalls where the error has been made and this call helps maintain goodwill.

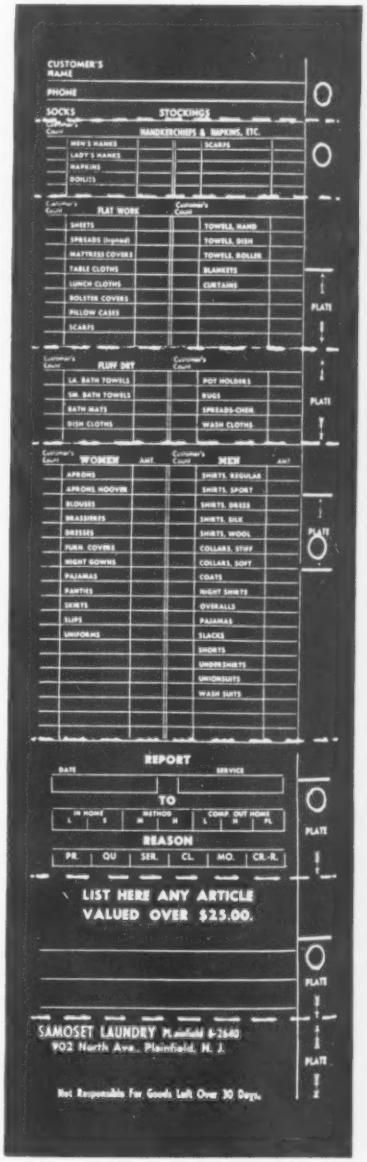
The office stub is then removed and kept as a matter of record; the remainder of the ticket is sent to the damp-assembly department.

Here the order is re-netted according to the way in which the work is to be finished and a stub accompanies each part. Since the shirts are marked individually they are done together by lots, and no attempt is made to sort or separate them until they are finished and reach the packaging stage. The stubs in this case are sent on to the assemblers in the shirt department.

Each department assembles and wraps its own part of the order, pasting the addressed stub to the outside for the purpose of identification. The packages are then placed on trucks and moved to the route salesmen's storage bins according to the date of delivery.

In a sense, the routeman does the final assembling. But since he has to load his truck and set up the route schedule, anyhow, there hasn't been any objection to the system. (During the past year the eight routes averaged $725 per week.) The route salesman knows the individual customer's order is ready when there's a stub present from each of the four departments. Often all four stubs are on one package. This may happen when the customer sends a bundle requiring only one type of service. No part of the ticket is ever thrown away.

Packaging costs have, of course, increased with this system. But claims have been reduced from 2 to 1 percent of sales and the trend is downward. In addition, the system has reduced delays at the assembly stage to a minimum. □□



Back of ticket gives itemized price lists for corresponding services on front of same section of ticket. Third stub from bottom is for customer control

Which Identification System Is Best?

Requirements of a Perfect Identification System	Pen Visible Ink	Machine Visible Ink	Machine Invisible Ink	Tag Stapled	Tag Thermo-plastic Attachment	Metal Clip
Clear legible mark						
No mark visible to customer or mark residue						
No danger to article						
Each article permanently identified as owner's property						
Mechanically fast for maximum marking production						
Marks all materials and types of articles						
Customer mark record available if desired						
No danger of losing identifying mark or tag						
Mark gives actual lot number						
Lot control by color of tag or mark						
Large marks or tags for fast assorting						
No mechanical equipment required for assorting						
Minimum of tags to be removed						
No equipment to be returned from assorting to marking						
Numerical sorting — No marks to be posted						
Little space required						
Initial cost of equipment low						
Low operating and supply cost						
Easy to maintain						
Minimum number of operators required						
Minimum training time required						

swatches of various colors and designs to identify three parts of a flatwork order. The divider separating the large flatwork orders carries the ticket. Management believes it is easier to match colors and designs than it is to match numbers.

Work trays

Carts or "trays" may be used to carry individual bundles from damp assembly to finishers. The assembly girl sorts into the appropriate tray.

An essential feature of the tray system is proper layout. There must be adequate room for the trays to move at all times. This means through the finishing areas there must be "parking space" for trays being worked on, plus a traffic aisle wide enough for one tray to pass another. And to prevent back traffic from fouling up the workflow, there must also be an independent return lane.

Conveyors

Conveyors serve a useful purpose in both pin-and-net and full-identification plants. They can be used in presorting work going to the markers, in classifying the major portion of the load, and in moving the work to the washroom area. They can be used for distributing work from damp assembly to the finishers and carrying completed work to the wrap-out department for packaging.

Conveyors save time and effort, minimize congestion in the aisles, and keep the work moving, in an orderly manner and at an even steady pace, to where it is needed.

The two most commonly used conveyors in the laundry are the flat-belt and the monorail. Some idea of their use can be gained from this case history:

One Great Lakes plant using a monorail with permanently attached drop-bottom nets to move wearing apparel and tumble work found that its markers were turning out 300 pounds per operator hour as compared to 200 pounds before the installation was made, because they experienced no delay in waiting for pins and nets.

Netted flatwork in this same plant moves from the marking booth to the washroom on a flatbelt conveyor. At the end of the conveyor the nets fall into a hamper which is set on a scale. When the scale registers 375 pounds a bell rings, indicating that a full load is ready to be rolled to the washwheel.

One manufacturer of marking machinery equips a plant with a split conveyor with installations of four or more marking units. □□

◀ **The final judge** of a good marking system is the plant operator. The chart above lists some of the requirements of a perfect system and may serve as a guide in selecting the system best suited for the reader's operation

CHAPTER V

TRAINING THE NEW MARKER

MARKERS should be classified as highly skilled employees in any plant. They are charged with a tremendous amount of responsibility that extends far beyond the task of putting an identifying mark on a bundle or garment.

They are often required to break a bundle, classify it into as many as 15 categories, list the items, sometimes price them, and, at the same time, keep the lots straight. On top of that the job may require that they be proficient in the use of two or three specialized business machines.

The prerequisites for a good marker include physical stamina, manual dexterity, a facility for figures, mental alertness and the ability to make decisions.

Screening candidates

Kyer's Laundry of Ann Arbor, Michigan, devised a few simple tests to help screen applicants for job openings in its finishing and marking departments.

To test manual dexterity, all persons seeking productive labor jobs are asked to sit before a pegboard and line up as many marbles as they can in one minute using one hand. At the end of that time, the positioned marbles are counted. Any person who lines up 32 or more marbles in the allotted time would be considered a likely prospect.

Before this marble routine was adopted, its validity was checked by giving the test to all employees then working in the plant. It was found that good workers averaged between 38 and 40 positioned marbles per minute.

Originally, the marble test was run for three minutes but it was observed that the necessary results could be obtained by cutting the period down to one minute without any radical difference in the final score. In fact, too long a testing period defeated the purpose of the test since the candidate would become listless and annoyed.

Kyer's also uses a simple IQ test which is combined with the application blank. This serves to check quickly the applicant's ability in dealing with figures and indicates his or her powers of recognition and recall.

A person with a good dexterity score and a good memory would make a likely prospect for the subassembly or break operation. A low score in arithmetic would disqualify a person from the weighing in or pricing operation.

Once the new employee is hired on the basis of these tests, he is expected to reach 100 percent efficiency after a one-week training period.

While there are many factors affecting labor turnover, the management of this firm was pleased to note that its turnover rate dropped 21.8 percent the first year this simple testing procedure was put into practice.

Turnover tip: Another solution that has been successfully used to cut down the number of quits in the marking department is the *split listing and marking system*. Instead of having one operator handle all the job functions, the duties are split up between two operators. Thus, one girl would break the bundle, list the work and pass it on to a second girl who would only mark and classify.

The split system makes the job easier and simplifies operator training. It is also recommended where a laundry wishes to use only a minimum number of marking machines. While it doesn't give high per-operator-hour production, it does give higher usage per machine hour.

According to one authority, the split listing method will never give more than 175 percent of the production obtained by one girl. And the one girl is more efficient because there is no double handling of every piece. But this is one solution to labor turnover.

How much training?

Training a new girl for the marking department is a very exacting task.

One East Coast plant allows its marking department supervisors 160 hours (about four weeks) to train a

Name:
Address:
Telephone:
Date of Birth:
Experience:

Study the following laundry marks for 15 seconds and then turn card over.

AAB	BRZ	172
BTT	ZBR	BUTLER
SP2	138	B-WIG
1402	YNP	RAPP

Place an X after each mark which appeared on the other side.

138	RALF	ALP	SORT
SP2	1402	HAMER	130
ALB	ZBR	172	BUTLER
B-WIG	BTT	BTL	BAT

Add these:

3	4	23	113	735
2	9	36	258	683

If there are 60 laundry bundles to be divided into 4 lots, how many bundles in each lot?

Application blank (left) is combined with brief IQ test on 4-by-6-inch card; gives quick check of applicant's ability to read, remember and reckon. Compare your own score on recall test. Good marker or sorter can remember better than half after 15-second look

girl for this work before her output is charged to their production record. It takes just about all that time to teach a novice the correct routine.

Actually, it may take a girl anywhere from three to six months before she becomes really proficient. Much, of course, depends on the girl's ability and the complexity of her duties.

An interesting aspect of the training program at the aforementioned plant is that the girls are expected to meet certain specific quotas while learning. During her very first day, a new girl is expected to produce 35 percent of scale. This percentage is gradually increased until she reaches the 100 percent standard.

Wage policies

Some plants pay all employees by the hour and give small production bonuses to shirt, flatwork and marking-room operators.

One bonus plan is based on standard production. Once the operator hits 90 percent efficiency she is entitled to half the profits made over that standard.

In other plants, the markers may be paid on a piecework basis. Compensation here is based on the number of pieces processed and often adjustments are made crediting the operator with so much time for breaking and pinning bundles. These adjustments involve additional bookkeeping in computing total wages but it is much

Revised System Speeds Training

Green help, new system save the day for White Way

ONE TEST of a marking department is a good claims record.

A record of only one missing article in 4,500 handled sounds hard to believe, especially if it's racked up by a completely "green" working force in a plant. Yet that's precisely the result achieved at White Way Laundry in Norfolk, Virginia.

A critical labor problem had obliged the management to hire practically an entire working force of inexperienced employees, almost overnight. Under the circumstances, it was necessary to simplify the operations as much as possible. And the marking department seemed to be a logical place to start.

A permanent type of full-identification system had been in use previously. It was replaced with a temporary-type system. The new system enabled White Way to train three new markers, while on the job, to the point where they averaged 212 pieces, or 143 pounds, of family work per hour during their first 10 weeks of employment.

Four other girls were trained on the job in the assorting and wrapping department to the point where they averaged 153 pieces of wearing apparel (including shirts) and 150 pieces of flatwork per operator hour. The wearing apparel assorters achieved this average in four weeks time; the flatwork assorters in 10.

Marking room procedure

The basis of White Way's system is a heat-sealed identification tag. Each tag bears two letters followed by two numbers. The letters indicate the lot; the numbers indicate a bundle within the lot. Thus, a tag bearing the mark QL 26 is attached to the listing ticket and the articles in the twenty-sixth bundle of lot QL. Since there are never more than 30 bundles per lot, the lot designators change after bundle number 30 has been assigned a

Each marking booth has equipment for listing and marking all items, weighing flatwork. As each piece is marked girl drops it into a hopper, to her right, which empties into hamper near ground-floor washroom

Temporary tag is heat-sealed to three parts of listing ticket and each article in bundle by machine. Tag above identifies lot QL, bundle 26. Assorters will remove tag from each item, place it in bin 26

fairer to the operator. Small bundles with few pieces can starve an operator working on a straight piecework basis.

Any training program requires a certain amount of preparation and planning.

1. Have a timetable: Know how much skill you expect an operator to have, and how soon you expect these skills to be developed.

2. Analyze the job: Prepare a list of the principal steps involved in an operation and single out the key points. For example, a marker on a full-identification system performs her duties in orderly sequence: (1) she picks up the item, (2) lists it, (3) looks for a mark, (4) marks the item if there's no mark, and (5) throws it in the proper net. "Pick up," "List," "Mark" and "Throw" are the key points. After a while the novice following these points will develop a rhythm.

No step is too trivial to consider, if it means better performance. Tell the new operator that she should pick up the work with her *left* hand and mark with her right. And have a ready reference list posted in the marking booth for her to consult as to the classification of items and other procedures.

3. Get everything ready: Have the right tools, equipment and materials on hand before attempting to begin instruction.

Continued on page 58

mark. The next lot designation after QL is QM. After each lot is marked the second letter is changed alphabetically until QZ has been reached. Then the first letter is changed and a series of marks commencing with the letter R is used; the first lot being designated RA, then RB, etc., until finally lot ZZ is reached. Then the system starts all over again with AA, AB, AC, etc.

Soiled bundles are carried from the ground floor to the second floor by a conveyor belt. Here they are loaded 300 pounds per hamper and rolled to the marking booths.

As each marker removes a bundle from a hamper she selects a listing ticket, appropriately colored to indicate the store or route from which the bundle came; applies one of the temporary marks to each of the three parts of the ticket, and places it in her listing machine. She lists and marks each piece of flatwork and then, after weighing the wearing apparel (including shirts), lists and marks it in the same manner. As the girl marks each article she drops it into a hopper that empties into a bin on the ground floor where the work is separated according to washing classification.

The markers' routine may be summarized as follows:

1. Remove bundle from hamper.
2. Select listing ticket; mark ticket; place it in listing machine.
3. List and mark each piece of flatwork.
4. Weigh shirts and wearing apparel; list and mark same.

After a marker finishes listing and marking a lot she sends the listing tickets to the accounting department where they are priced. Then they are sent to the working supervisor, who controls the flow of work to the assorters. She separates the wearing apparel portion from the flatwork part of the ticket and maintains records of each girl's production for the purpose of figuring incentives. She also coordinates the flow of tickets and finished work by lots to the assorters, serving as an expediter when necessary.

Flatwork is folded at the ironer on tables equipped with casters. The tables of folded work are then rolled to one of the two flatwork assorters.

Wearing apparel (including shirts) is folded at the press units and placed in tiered carts, shirts on one shelf and other articles on another. Then the carts are rolled to one of the two wearing apparel assorters.

Each assorter has a 30-section sorting bin. She clips, in numerical order from 1 to 30, a listing ticket to the top of each compartment of the bin. The wearing apparel assorters sort handkerchiefs, socks, pajamas, underwear, etc., into the bottom of each compartment. Shirts are placed on top of these articles. In addition to sorting finished work by customers' bundles, the assorters also wrap out the work, flatwork being packaged separately from wearing apparel.

The assorters' routine may be summarized as follows:

1. Move lots from the finishers into place at sorting bin.
2. Fold tickets and clip to proper compartments.
3. Assort, check and remove marking tags.
4. Box shirts and wearing apparel or wrap flatwork.
5. Handle their own short bundles.

Under the new setup the following bundle averages have been made:

Items	Pounds & pieces per bundle
Flatwork	3.75 pounds
Wearing apparel	1.62 pounds
Shirts	1.87 pounds
Total	7.24 pounds
Flatwork	4.10 pieces
Wearing apparel	2.85 pieces
Shirts	3.75 pieces
Total	10.70 pieces

These averages are based on four different 2,000-bundle samples taken during the first 10 weeks of operations under the new system. They include only family laundry work, and all bundles, whether all wearing apparel, all flatwork or a combination of the two, were counted.

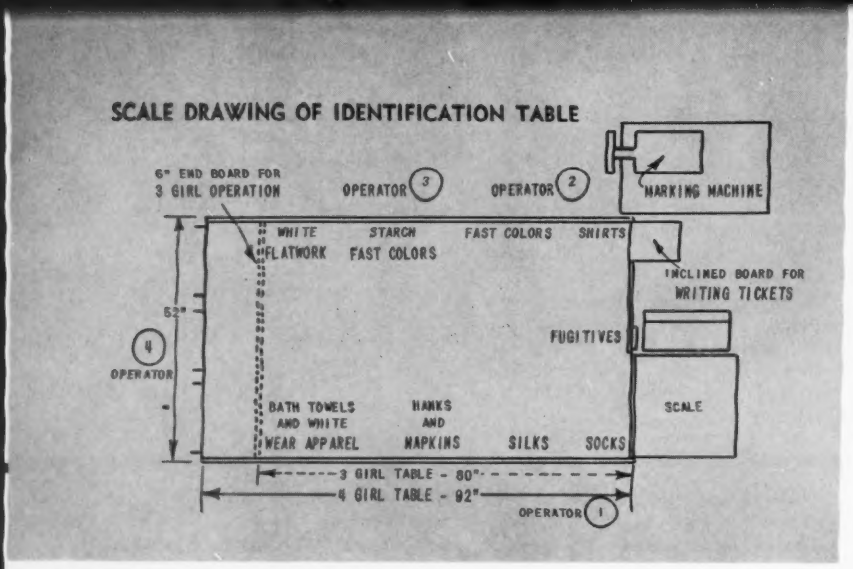
The number of pieces left over in the assorting department that could not be identified at the end of the 10-week period averaged one per 3,000 pieces handled. During the last four weeks of this period the number of claims received for missing articles averaged one per 420 bundles.

The changeover also trimmed White Way's staff by one girl in assembly and by three girls in the marking department. □□

Shirts and Wearing Apparel

	Bundles	Pieces	Standard Hours
Assorter A	775	6,150	40
Assorter B	707	5,925	39
	1,482	12,075	79
Flatwork			
Assorter C	461	6,336	40
Assorter D	390	5,423	38
	851	11,759	78

Average bundle POH—flatwork—150 pieces (after 10 weeks experience)
Average bundle POH—shirts and wearing apparel—153 pieces (after 4 weeks experience)



Top view of identification table. Scale platform is level with working surface of table. Note legs are set in so they are not in way of operator's feet. Shelf under table is for net storage. Classification positions should be printed in large letters on inside of side boards. Setup for 3-girl operation is indicated by dotted lines

Continued from page 57

4. Put work place in order: Arrange work place in proper order just as the employee will be expected to keep it. Good habits, learned early, mean greater efficiency.

Your task will be simplified if you follow a standard procedure in giving instruction. The recommended practice is to prepare the worker, present the operation, try out performance and follow up.

First, get acquainted and chat briefly about things other than the task immediately at hand. Common courtesy should dictate this.

Next, explain the over-all operation verbally and then go through it again while actually performing the operation. Repeat the latter step.

Then let the operator perform the duties while explaining the steps aloud. Correct any errors and let the operator try it a few times by herself. Follow up frequently to check progress.

Group method of instruction

One of the best methods of teaching new operators the complexities of the identification system is to put them in with more experienced workers. With such constant supervision the details and sequence of such tasks as classifying, marking and netting can be simplified and, therefore, more easily learned.

One training system for the pin-and-net identification method suggested by the American Institute of Laundering (see Service Bulletin No. 455-A) is based on the use of a specially constructed break table. It can be used by two, three or four operators depending on the volume of work handled and the skill of the individual members in the group.

The four-girl setup described here is recommended where there is sufficient work to keep the operators producing at or near capacity. A weekly production average of 300 pounds per operator is reported to have been attained with this table. And anywhere between 250 and 300 pounds per operator hour is considered average.

Four-Girl Operation

Operator No. 1 (skilled)

a. Weighs bundle, records weight on tag, and passes tag to operator No. 2.

b. Calls out service required.

c. Helps empty bag.

d. Helps sort bundle.

e. Distributes key-bar pins.

f. Pins: silks, fugitives, socks—which are thrown in position in front of operators on table.

Operator No. 2 (skilled)

a. Sets key-bar in space on table and pins small pin to customer ticket.

b. Helps sort bundle.

c. Identifies shirts or pieces to be finished out of semifinished work on marking machine next to her.

Operator No. 3 (semiskilled)

a. Helps sort bundle.

b. Pins: fast color, starch fast color, and helps pin any other net as soon as bundle is classified.

Operator No. 4 (new operator)

a. Helps sort bundle.

b. Pins: white flatwork, white wearing apparel, bath towels, hanks and napkins.

Operators No. 1 and 2 must be skilled because they are responsible for the most critical parts of the order.

Operator No. 3 does not require a great deal of skill or training. The most difficult thing she has to do is recognize silks and fugitives.

The new operator's duties are extremely simple. All she has to know is how to sort and separate white work and how to properly load and pin a net. In a few days she can become reasonably familiar with the duties performed by operator No. 3. And both will, in time, learn the entire operation. Replacements can easily be made by putting the new girl in the anchor spot.

Group-method limitations

The group method of pin-and-net identification has its limitations. It doesn't seem to be efficient where all or a large part of the bundle is counted and listed. Nor is it particularly successful where a large part of the bundle must be marked or otherwise fully identified, all in the same operation. It should *not* be used for full identification.

Where to mark

The position of the mark will depend on the item to be identified, the marking system, folding method, etc.

A shirt, for example, can be marked in the *collar* with pen-and-ink, a machine mark or a heat-sealed tab. Across the *bosom* using an invisible ink system. And on the *tail*, below the last buttonhole, using a stapled tag or mechanical clip.

As a general rule, most plants mark in such a place that, after the article is folded, the mark will be on top so that the sorter will be able to see it without unfolding or searching.

Very dark materials, such as black, blue, maroon and dark brown, may be pinned with a white swatch, tape or ticket bearing the particular laundry bundle work mark. Fabrics having a heavy nap, such as towels and bath mats, may be identified on the hem or flagged as above.

Some dark pieces, such as trousers, jackets and coveralls, contain white pockets or light-colored waistbands that are suitable for carrying the mark.

On wearing apparel, it is advisable to mark the garment as near the neck as possible so that it is visible in looking at the garment from the front side.

Small pieces such as socks and handkerchiefs can be marked individually, although it is common practice to place each group in a flagged net.

For best results provide the marker with a list of common articles of apparel and brief instructions as to where to place the mark. □□

Laundry Marks and Crime Detection

"No, it isn't a laundry mark!"

HISTORY RECORDS that criminals have been detected by laundry marks since 1883. Yet few legislative measures have been enacted to regulate their usage.

From time to time a group or city whips up some enthusiasm for keeping check on such marks but to date very few states make their registration compulsory.

According to Police Detective Samuel M. Cohen, custodian of the New York City Police Laboratory, this lack of regulation creates some imposing obstacles for investigators.

"For one thing, laundryowners do not have to give any information about their marking system unless they want to. Luckily, most are cooperative.

"Second, there's the problem of collecting the information desired. With no central clearing house, the data must be gathered on a catch-as-catch-can basis. This can be a formidable task, especially in a city the size of New York where there are some 60,000 laundry and drycleaning establishments. It calls for a lot of personal contact and legwork to gather the information and keep it up to date." Detective Cohen has been at the task for 20 years.

A survey of the five boroughs and outlying regions just nearing completion has taken some two years of hard work.

Gathering the material is one thing; organizing it into usable form is something else. Just suppose every car owner in the country were allowed to make and change his own license plates using any sign, symbols or number he wanted. Then imagine the difficulty of trying to keep track of which car belongs to whom. Well, that's just about the same problem that any law enforcement agency faces today.

The most troublesome marks are those used by Chinese laundries. According to Detective Cohen, many have no set system of marking and just put down any sign that comes to mind. "One customer's bundle may be given the symbol for 'fish' because it's Friday and another's marked with the symbol for 'cat' or 'little boy' because that's what the laundryman happens to see at that moment."

The easiest marks to identify, strangely enough, are those that are invisible. The manufacturer of this particular marking system has made it a practice to assign an identifying mark to each machine. A list of these marks goes out to law-enforcement officials from time to time indicating what marks are in use. Each "brand" is coded, so that by consulting a master sheet the plant can be identified by name and address.

How can identification by laundry marks be simplified? Detective Cohen offers one possible solution: Each precinct would be assigned a number and a law would make it necessary for each laundry and drycleaning plant operating in that precinct to be given its own identifying number. Location would be pinpointed immediately and the operator could identify the customer.

Without legislative proceedings to make registration of marks mandatory, about the next best thing that can be done is to educate the plantowner to the importance of the marking system and urge him to cooperate voluntarily with police authorities.

Here are six questions that are of greatest interest to Detective Cohen when he wants to get a listing on a new establishment for his file:

1. How are the garments marked and what do the symbols signify?

2. Where are they marked (in the shoulder, collar, bosom, etc.)?

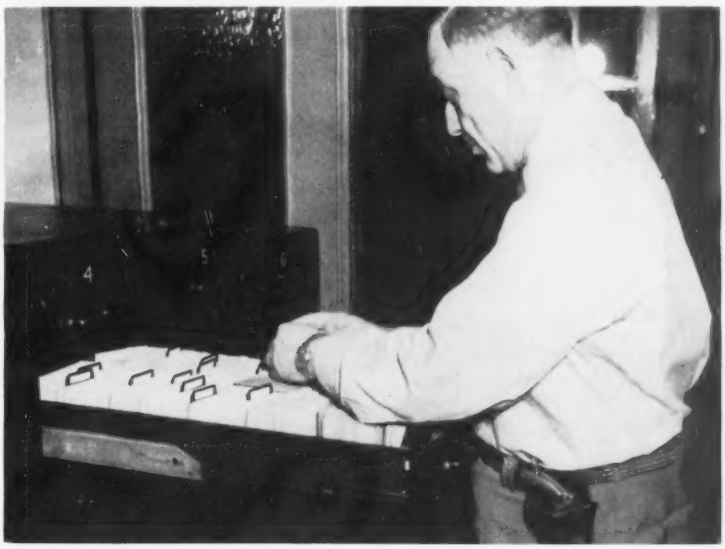
3. What kind of mark (machine, hand, tag, etc.)?

4. Who does the processing and is it done on the premises?

5. What is the name of wholesaler if work is sent out?

6. How is the work handled? Does it go through the plant in nets, or loose?

There's more to laundry identification than meets the public or private eye. □□



Police card file containing some 150,000 samples of laundry and drycleaning marks in use in New York City and upstate New York areas is brought up to date by Detective Cohen. No card in file is more than five years old

Washroom Information

Standard Capacities

Maximum Pounds Dry Per Inch and Per Foot of Length

Diameter of Wheel	Per Inch Metal	Per Inch Wood	Per Foot Metal	Per Foot Wood
30"	2.00 lb.	1.68 lb.	24.0 lb.	20.0 lb.
36"	3.05	2.36	36.6	28.3
42"	4.17	3.40	50.0	40.8
44"	4.58	3.75	55.0	45.0
54"	6.88	4.80	82.7	57.6

Source: AIL

Knowing the maximum pounds of dry weight of soiled linens per foot or per inch of length, it is possible to obtain an approximate washer load limit. For instance, a metal wheel 36 inches in diameter will take 3.05 pounds per inch of length: $3.05 \times 54 = 164.7$, maximum load for a 36-by-54 washer.

Dry Clothes

1. Occupy approximately 0.243 cubic feet per pound.
2. Weigh approximately 4.11 pounds per cubic foot.
3. Displace about 0.0125 cubic feet of water per pound.
4. Weigh approximately 0.033 pounds per square foot.
5. The correct load for a washer is approximately 5 pounds per cubic foot. A washer will therefore be correctly loaded when it is about 80 percent full of dry load (not packed down hard).
6. Absorb about 0.3 gallons of water per dry pound.

Wet Clothes

1. Occupy approximately 0.11 cubic feet per pound of dry clothes.
2. Weigh about 3.48 pounds per pound of dry clothes.
3. Weigh approximately 31.8 pounds per cubic foot.
4. Occupy approximately 0.0314 cubic feet per pound.
5. Contain approximately 9.12 pounds of dry clothes per cubic foot.
6. The correct load for a washer is approximately 5 pounds per cubic foot. A washer will therefore be correctly loaded when it is about 55 percent full of wet load (with the washer drained).

Weight of Family Laundry Items Per 100 Pieces

	Pounds
Aprons, Ladies'	50
Tea	20
Bath Mats	125
Blankets, Single Cotton	300
Double Cotton	600
Blankets, Single Wool	400
Double Wool	600
Blouses, Boys'	35
Cases, Pillow, 42 x 36"	33
45 x 36"	35
38½ x 50"	42
Cloths, Wash	4
Collars	5
Curtains	34
Doilies	6
Dresses, Child's	25
House	60
Night	34.5
Face Cloths	4
Handkerchiefs, Men's	3.3
Handkerchiefs, Ladies'	1.7
Hose, Men's (100 Prs.)	10
Jumpers	100
Jumpers, 26 oz.	163
Laundry Bags	75
Mats, Bath	125
Mattress Covers	200
Napkins, Cotton, 17 x 17"	6.4
18 x 18"	7.6
19 x 19"	8.5
20 x 20"	9.4
22 x 22"	11.4
Napkins, Cont'd	
24 x 24"	13.5
27 x 27"	17.3
Nightgowns	65
Nightshirts, Light Cotton	40
Nightshirts, Heavy Cotton	100
Overalls	200
Pajama Coats, Light Cotton	31
Pajama Pants, Light Cotton	31
Pants, Boys'	50
Robes, Bath	150
Sheets, 50 x 90"	114
63 x 90"	133
63 x 99"	146
72 x 90"	152
72 x 99"	164
72 x 108"	183
81 x 90"	171
81 x 99"	185
81 x 108"	205
90 x 99"	209
90 x 108"	228
Shirts, Men's, C. & C. Attached	50
Shirts, Men's Dress	75
Shirts, Work	64
Skirts	75
Socks, Cotton, Pair	6.5
Wool, Pair	13
Spreads, 72 x 90"	347
72 x 104"	400
80 x 90"	385
86 x 104"	478
90 x 90"	433
90 x 96"	462
100 x 104"	556
Stockings, Silk (100 Pr.)	7.5
Golf (100 Pr.)	10
Table Cloths, Cotton, 54 x 54"	70.6
63 x 63"	96.5
72 x 72"	126
72 x 90"	158
90 x 90"	197
Table Covers, Cotton, 42x42"	55
48 x 48"	72
49 x 49"	75
72 x 72"	162
Towels, Bath, 18 x 36"	39.5
18 x 40"	43.5
19 x 39"	45
21 x 42"	53.5
22 x 40"	53.5
23 x 46"	64
25 x 48"	73
25 x 50"	76
29 x 55"	97
Towels	
Face	16
Kitchen	18
Roller, 100 ft.	500
Tray Cloths	25
Trousers	131
Undershirts, Men's Light	18.5
Men's Heavy (No Slv.)	34.5
Underdrawers, Men's Light	15
Men's Heavy (Knee Length)	35
Ladies' Heavy	30
Unionsuits, Light (No Slv.)	30
Heavy	100
Undervests, Ladies'	20

Source: AIL

Metal Washers

In Dry Pounds of Clothes

Diameter of Wheel	Pounds Per Cubic Foot	Length of Washer 36"	38"	42"	44"	48"	54"	64"	72"	84"	96"	108"	120"	126"
36"	4.0	85	89	100	104	113	127	151	170	197	226			
38"	4.0	94	100	110	115	126	141	168	189	221	252			
42"	4.5	130	135	150	158	173	194	231	260	302	346	390	433	453
44"	4.5	142	150	167	174	190	214	254	285	333	381	428	476	500
48"	4.5	170	179	198	210	226	254	301	339	395	452	509	565	595
54"	5.0	238	250	278	291	318	357	424	477	556	636	715	795	833
60"	5.0	294	310	343	360	392	441	523	589	687	785	883	982	1032

Source: AIL

Recommended loads for washwheels can be only approximate. The correct size of the load will vary with type of work being handled, the degrees of soil and individual plant conditions. Capacities given are meant to serve as a guide. The recommended loads are based on a sliding scale of from 4 to 5 pounds per cubic foot. Maximum capacities given here are based on 5 pounds per cubic foot, although some manufacturers suggest that peak loads may run 5 pounds to 6 pounds per cubic foot, the latter, of course, for the largest size washers.

Open-End Washers

Manufacturers' Rated Capacity in Dry Pounds of Clothes

Diam. of Wheel	Length or Depth of Wheel 13"	14"	15"	16"	18"	20"	22"	24"	25"	26"	28"	32"	42"
20"	..	..	..	..	..	15	..	..	..	..	..	..	..
22"	..	..	..	..	..	..	..	..	25	..	..	..	..
27"	..	..	20	..	..	..	..	..	..	..	..	..	..
28"	18	..	..	25	..	..	..	..	..	..	..	..	..
30"	..	25	30	..	35	..	..	..	..	..	50	55	60
32"	..	..	..	..	..	..	..	50	..	..	..	..	..
34"	..	..	..	..	..	..	..	60	..	..	..	..	..
36"	..	..	..	35	50	..	60	60	..	75	..	..	..
42"	..	..	..	..	..	..	..	100	..	100	..	..	..

Washer Revolutions Per Minute

Dependent on Rib Height

Diameter of Wheel	Height of Ribs 2"	3"	4"	5"	6"	7"	8"	9"
24"	37	34	..	..	..	..	..	..
28"	37	33	30	27	..	..	..	..
32"	37	33	30	27	24	..	..	..
36"	37	33	30	27	24	22	..	..
42"	36	32	29	26	24	22	20	18

Source: AIL

Washer speeds should be from 18 to 37 revolutions per minute dependent on the height of ribs. With an increase in rib height, fewer revolutions per minute are required to carry load to point of drop.

Weight of Linen Supply Items Per 100 Pieces

	Pounds
Aprons	50
Aprons, Bib	48
Butcher	50
Hoover	100–106
Steamship Cooks'	41
Waist	32.2
Wash	32.2
Bags, Steamship Canvas	269
Berth Bottoms, Steamship	120
Bungalows	75
Bungalow Aprons	50
Blankets, Steamship	250
Caps	10
Cases, Pillow, 38½ x 50"	43
Pullman Pillow	23.3
Cloths, Hair	42.2
Steamship Hair	60
Cloths, Hand	25
Table, 70 x 70"	156
Head Rest	16
Coats, Short	106
Butcher	225
Steamship Cooks'	125
Steamship Waiters'	125
Steamship Butchers'	225
Curtains, Steamship Shower	75
Doilies, Table, 11 x 11"	3.1
Dresses	50
Dusters, Steamship	25
Frocks	200

	Pounds
Mats, Bath, 20½ x 29"	75
26 x 50"	200
Mats, Steamship Bath	122
Steamship Table	175
Mattress Covers, Steamship	185
Napkins	11.1
Steamship	15
Table, 26 x 26"	16.6
Overall Coats	106
Pants	150
Pants	100
Steamship Waiters'	125
Pullman Blankets	325
Hand Towels	12.5
Pillow Slips	22
Sheets	112
Rags	6
Settee Covers, Steamship	125
Sheets, 63 x 90"	133
90 x 108"	228
Pullman	112
Steamship ½, 54 x 99"	122
Steamship ¾, 63 x 99"	138
Steamship Full, 72 x 108"	195
Shirts	50
Slips, Pillow	30.8
Steamship Pillow	33

	Pounds
Spreads, 54 x 90"	260
90 x 100"	394
Steamship ½	179
Steamship ¾	212
Steamship Full	262
Tablecloths	60
Steamship Small	120
Steamship Large	197
Tidies	38
Tops, Table, 45 x 45"	50
Towels	
Barber	11.2
Bath, 24 x 44"	75
Face, 21 x 44"	28
Glass, 17 x 33"	12.5
Glass	16.9
Hand	15.9
Individual	6.05
Kitchen	15
Kitchen, 17 x 30"	18.8
Pullman	15
Roller	42.6
Side, 17 x 34"	16.7
Silver, 17 x 30"	25
Small	15
Soda	16.9
Steamship Barber	15
Turkish	47
Trousers, White	131
Uniforms	100
Unionalls	187
Vests	50

Source: AIL

Continued on page 62

Continued from page 61

Gallons of Water in Loaded Laundry Washers

(Wheel in motion; clothes saturated)

Size (Inches)	Inches, gauge													
	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"	13"	14"	15"
32 x 30	7.5	9.5	11	13	15	17	20	22	24	26	29			
36 x 36	11	14	17	20	23	26	30	33	36	40	44			
36 x 54	16	21	25	30	34	40	45	50	55	60	66			
36 x 64	19	24	30	35	40	46	53	58	64	70	77			
36 x 72	22	28	34	40	46	52	59	66	73	80	88			
36 x 84	25	32	39	46	53	61	70	77	85	93	102			
36 x 96	29	37	45	53	61	69	80	88	96	106	116			
42 x 36	15	20	23	27	31	34	37	39	43	46	50			
42 x 54	25	33	38	40	50	56	60	65	74	77	82			
42 x 64	27	35	41	47	54	60	65	70	76	82	88			
42 x 72	30	39	46	53	61	67	73	78	86	93	100			
42 x 84	35	46	54	62	71	79	85	91	100	108	116			
42 x 96	40	53	62	71	81	91	98	104	115	124	133			
44 x 36	17	22	25	30	34	37	41	43	47	51	55			
44 x 54	25	33	37	45	51	56	62	66	72	77	83			
44 x 72	33	43	51	58	67	73	80	86	94	102	110			
44 x 84	38	50	60	68	78	84	94	102	107	119	129			
44 x 96	45	59	67	80	91	99	110	115	125	136	146			
44 x 108	50	64	77	87	100	108	120	132	139	153	166			
44 x 120	57	73	85	97	111	120	134	145	154	170	184	196		
48 x 84	54	66	80	94	106	123	137	152	162	180	192	208	224	
48 x 126	80	100	120	140	160	183	203	224	247	268	290	313	337	
54 x 84	60	72	85	100	115	130	145	160	175	189	204	220	235	250
54 x 126	90	108	127	149	170	192	213	236	258	280	305	329	351	374
60 x 126	85	115	132	156	180	203	227	249	272	297	320	344	368	390

Source: AIL

The table above indicates gallons of water added after saturation of load to obtain various gauge readings. The table may be useful to find the volume of water required for any washing cycle. Dry clothes absorb between one-third and one-fourth of a gallon of water per pound. A 36-by-54 metal washer, 165-pound load, using a formula of 4 suds at 3 inches and 5 rinses at 9 inches will require a total of 384 gallons of water or roughly 2.3 gallons per pound.

Absorption .3 gal. per lb., .3 × 165 =	50 gal.
Suds 4 × 21, gal. at 3 inches =	84 gal.
Rinses 5 × 50, gal. at 9 inches =	250 gal.
Total water required =	384 gal.

384 ÷ 165 = 2.32 gal. per pound

Pipe Sizes Required

Washer Diameter	Size of Water Pipe
24" to 28"	1 inch
30" to 40"	1½ inches
36" (wood)	2 inches
36" x 36" to 72" (metal)	2 to 2½ inches
40" to 44" (wood)	2 inches
42" x 36" to 72" (metal)	2 to 2½ inches
42" x 84" or longer (metal)	2½ inches
48" x 60" (metal)	3 inches

Source: AIL

Water connections should be capable of filling and emptying the wheel at maximum water heights in less than one minute. A 42-by-84-inch metal washer should fill to 10 inches—130 gallons—in about one minute.

Bluing, Bleaching and Souring Data

Bluing Data

Most blues are supplied in two or three different shades —usually a red-blue shade and a green-blue shade and frequently also an in-between shade known as a blue shade —sometimes referred to as a blue-blue shade. These various shades are all blue, of course, but the proportions of colors in them are altered slightly.

In areas of low bicarbonate alkalinity in the water, most plants prefer to sour at a low water level and raise the level for the blue bath. When sour is applied before blue, shade selection is mostly a cut-and-try procedure.

All three shades can be applied in an acid bath, although there is often a greater tendency toward grabbing with a green-blue shade than with either of the other two. This doesn't present much of a problem because there is seldom occasion to use a green-blue shade in a "sour-first" formula. The red-blue shade is most often preferred for application after sour with the blue shade running a fairly close second.

When bicarbonate alkalinity in the water is high, it usually pays to reverse the conventional procedure and blue before souring, because it is possible to use substantially less sour to neutralize the alkalinity in 4 or 5 inches of water if the sour bath is the last operation than would be required

to neutralize the alkalinity in 10 to 12 inches of water, which would have to be done if the blue were the last operation. If the bicarbonate alkalinity is very high (more than 250 p.p.m. of $NaHCO_3$) a green-blue shade is likely to be most satisfactory. When the bicarbonate alkalinity is moderate or low (less than 250 p.p.m. of $NaHCO_3$), the choice is usually between a green-blue shade and a blue shade. A red-blue shade is seldom adaptable to a "blue-first" formula.

Quite a number of laundrymen prefer to blue before souring—even though the water in their plants is low in bicarbonate alkalinity. The idea is not primarily to save sour, but to eliminate spotty, streaky, uneven bluing. There is no guarantee that bluing before souring will eliminate bluing difficulties, but there is some basis for hoping that it will in a great many cases.

One factor in bluing practice that unquestionably accounts for a great deal of blue-grabbing and similar difficulties is the tendency of some washmen to be in a little too great a hurry to get the blue into the wheel in conventional "sour-first" formulas.

When a load is soured at a water level of 4 or 5 inches with the intention of raising that level to 10 or 12 inches for blue, naturally the amount of sour added at the low water level is going to have to be enough to keep the load sour at the higher water level. So while the water level is still low, the load is oversoured.

If blue is applied to such an oversoured load before the high water level is reached, there is always a very strong tendency for the heavily soured fabrics to grab the blue. Unfortunately, just putting on one or two cold rinses cannot be depended upon to rinse out grabbed blue. Very often the dyeing job thus accomplished requires vigorous washing and sometimes heavy bleaching.

One sensible preventive measure is simply to switch the sour and blue operations so that blue cannot be applied on an oversoured load. When blue is applied to a load ahead of sour, it doesn't fully discharge upon the goods until sour is added. Without risking an uneven "take," this procedure permits a uniform distribution of blue throughout the washwheel solution and throughout the load—*before* the blue is fully developed. Thus, when the sour is finally applied, the blue on the load can develop evenly. As a rule, either a blue shade or a green-blue shade is more likely to be successful in such formulas than a red-blue shade.

To assure uniform bluing, it is essential that the strength of the stock solution of blue be standardized. Concentrations of 2 ounces of concentrated blue in 2, 5, or 10 gallons of water are satisfactory—so long as the same concentration is always used.

Generally it seems to be preferable not to add any greater volume of 56 percent acetic acid than of the concentrated blue. If the stock solution is made up by using 2 ounces of concentrated blue in a 5-gallon crock, 2 ounces of 56 percent acetic acid ought to be plenty. Overacidified blue stock solutions have been known to promote a great deal of troublesome blue-grabbing and blue-dyeing. Moreover, although most blues are free from pronounced sedimentation tendencies, any blue is more likely to settle out of solution in the crock if it is highly acidified.

Acetic acid will provide somewhat "longer mileage" on blue, but it is misleading to assume that a quart of blue can be made to last twice as long by adding 2 quarts of acetic acid along with it. All that that sort of thing can accomplish is to promote a muddy blue or blue-gray cast in the work.

Stock solution should always be carefully measured out in nonmetallic cups or other small measuring containers (glass, plastic or earthenware), diluted in a pail of cold water, and applied evenly across the wheel—preferably with the wheel turning toward the operator—*after* the water in the wheel has reached the customary level for bluing.

Source: Cowles Chemical Co.

Bleaching Data

Bleaches fall into two general groups: oxidizing and reducing.

An oxidizing agent adds oxygen to the discoloration to remove it. A reducing bleach takes away oxygen to accomplish the whitening process. Reducing bleaches also include stripping agents such as sodium hydrosulfite and sodium bisulfite. A stripping agent is used for complete color removal from dyed or tinted fabrics and not for general whitening practice.

The oxidizing agents include sodium hypochlorite, sodium perborate, hydrogen peroxide and potassium permanganate. Of these, only sodium hypochlorite and hydrogen peroxide are used extensively in laundries.

Hydrogen peroxide bleach is recommended for silks, wools and rayons because of its relative mildness and safety in use. Because the bleaching action and stain-removal properties of hydrogen peroxide on cotton and linen fabrics fall short of the performance of sodium hypochlorite its usage is rather restricted. It is sold on the basis of oxygen content expressed as percentage or volume. The two most common forms are 3 percent (10 volume) and 30 percent (100 volume).

A 3 percent stock solution is normally made up. If the peroxide is purchased in the 30 percent form it is diluted with nine parts of water to form the stock solution. One pint of 3 percent solution per 100 pounds of clothes is the amount to use in a bath following the suds, before rinsing. A running time of 10 minutes is long enough at around 150 degrees.

Because it decomposes readily, always keep peroxide out of the sunlight and keep foreign material out of the carboy in which it comes.

Sodium hypochlorite is by far the most popular form of bleach used in laundries. It may be made up in various ways but the solution poured in the washwheel is the combination of sodium, oxygen and chlorine corresponding to the formula NaOCl.

Chloride of lime bleach is the old standard of the laundry industry. For years it was the only plant method in use. The method consists of allowing proper amounts of chloride of lime to react with soda ash or modified soda to neutralize the lime hardness and produce a sodium hypochlorite bleach acceptable for use. A typical formula utilizes 10 pounds of chloride of lime with 10 pounds of soda ash, or 20 pounds modified soda, in 35 gallons of water to give a 1 percent available chlorine bleach. A thin slurry is made with the chloride of lime and part of the water. The alkali is then added and mixed until dissolved. After the balance of the water is added, the solution is allowed to stand until the sludge settles to the bottom. The clear solution is then ready.

High-test bleaching powder (calcium hypochlorite) has to a large extent replaced the chloride-of-lime method because it is more convenient to use. It is available in bulk

quantity or in unit cans designed for the preparation of 30-gallon batches of bleach. In preparing stock solutions the calcium hypochlorite is converted into sodium hypochlorite by a procedure similar to that described for chloride of lime bleach. One unit can, containing 3¾ pounds of bleach powder, mixed with 3 pounds of soda ash, or 6 pounds modified soda, in 30 gallons of water, will yield 1 percent available chlorine bleach. If the powder is purchased in bulk quantity the same proportions are used.

In making up bleach by either the chloride-of-lime or high-test bleaching powder methods it is good practice to use a two-tank system. The bleach is made up in one tank, then drawn or siphoned off to the other tank, from which it is used. This system adds a margin of safety in that the sludge particles formed in the bleach preparation never reach the washwheel. Only the clear stock solution is used.

Because it is simple to use, carboy bleach is very popular among laundrymen. It is simply a high-strength sodium hypochlorite bleach of from 12 to 16 percent available chlorine delivered in 5-gallon glass carboys. A 1 percent stock solution is made up by diluting it with water. If the strength of the carboy bleach is 14 percent, a dilution of 1 gallon of bleach in 13 gallons of water will make 14 gallons of stock solution of 1 percent available chlorine strength.

A stock solution should always be used on the wheel. It is too difficult to measure accurately a small amount of concentrated solution and the smaller the load in the wheel, the more difficult this practice is.

How much bleach is used? Enough to achieve whiteness in the work. Two quarts of 1 percent bleach per 100 pounds of work is the generally accepted standard. However, this figure is not inflexible. The less one can use the better. Sometimes this amount may have to be increased slightly but it is well to investigate the remainder of the washing formula first. Excessive use of bleach always means excessive tensile strength losses.

Bleach is used after the clothes have been washed clean —after the last suds and before rinsing. This point is chosen so that the bleach will work on the stains and the fabric instead of being wasted on soil. Some soap or soap regenerator added to the operation before the bleach will give better penetration and dispersal of the bleach through the load. After adding the bleach the suds level will drop, then return to a higher level. The bleach destroys some soap but it strips more soap from the fabrics than it destroys. This results in more suds.

The water level for the bleach bath should be the same or slightly higher than that of the preceding suds baths. Five inches is a good standard. Temperature of the water should be between 135 and 160 degrees. A good average is 150 degrees. Decomposition of bleach in the load is partially dependent on temperature, i.e., the higher the temperature the more rapid the action. Too low a temperature means that the bleach bath must be run too long to get proper results. Too high a temperature means that the bleach will decompose before properly penetrating the load.

If live steam must be used to heat the water above 135 degrees it should be done before the bleach is added. Adding steam while bleach is in the wheel will result in spotty, excessive bleaching action with attendant damage to the clothes.

The bleach bath should run from 8 to 10 minutes. Tests have shown that 80 to 90 percent of the bleach is decomposed in the first 3 minutes but additional time is necessary to complete the job. Running a bleach bath longer than 10 minutes wastes time and money.

Let's review the above procedures. First, one must make sure of washing the work clean. Bleach is a valuable washing aid but it cannot compensate for a poor job of soil removal. Then the proper bleach is chosen.

From the bleach chosen one makes up a 1 percent stock solution. If one is concerned with small quantities he may make this a 0.5 percent stock solution and double the amount used on the wheel. About 2 quarts of 1 percent stock solution are used per 100 pounds of load. If one can obtain satisfactory whiteness by using less, that is desirable. The bleach bath follows the suds. Soap or soap regenerator is added to the bleach bath to raise a suds. The bath is run in 5 inches of water at 150 degrees for 10 minutes. The work is then ready to be rinsed.

Use a rubber dipper to measure bleach stock solutions. If you measure your solution in pints get a pint-size dipper. Don't buy a quart dipper and guess when you have it half full each time. Wait until the full water level has been reached in the washer, then add the stock solution slowly along the width of the wheel as it turns down into the solution. Never add steam *after* adding bleach to the wheel.

Leaking bleach pails are an invitation to damage claims and should be discarded at once (a prime reason for not using the washroom floor as a classifying table). When dipping out bleach beware of dipping into the sludge. (When poured into the washwheel, sludge will cause pinholes in the clothes.) It is false economy to prepare a new batch of bleach stock solution by utilizing the sludge remaining from the previous batch.

Remember to use caution. The bleach in the stock solution is about 100 times as strong as when used in the wheel, so treat it with care. Even when properly used, bleach probably contributes more to tensile-strength loss than any other washing supply.

Souring Data

The primary purpose of a souring operation is to neutralize the bicarbonate alkalinity in the water and the unrinsed alkalinity still remaining in the clothes. This neutralization is necessary because of the tendency of white cellulose materials such as cotton and linen to assume a yellow or brown color in the presence of heat when alkali is present. Other properties of a good sour include removal of iron stains and destruction of bacteria.

How much sour is used? Enough is used to bring the pH of the load to generally accepted standards. For starched work such as shirts and uniforms, attain a pH of 4.5 to 5.0. For finished family work, 5.0 to 5.5, and for wetwash, 6.0 to 6.5. No figures on amounts of sour needed to reach these values can be given since they will vary from plant to plant. Experimentation on one load will give an approximation of the correct amount to use. Checking further loads and making any necessary small corrections will establish a standard.

Once the correct amount of any given sour is determined, substitutions of other sours may be made on a mathematical basis. The table on the opposite page gives these ratios for various chemical formulas.

Use of this table is simple. Suppose that one has been using sodium silico fluoride and desires to change to sodium acid fluoride for greater rust removal. The table reveals that the values are in the proportion of 2.3 to 1.7. Therefore, for each 2.3 ounces of sodium silico fluoride now in use there should be used 1.7 ounces of sodium acid fluoride.

Name	Chemical Formula	Relative Neutralizing Value Taking 56% Acetic Acid As 1.0
Fluosilicic Acid	H_2SiF_6	4.3
Sodium Silico Fluoride	Na_2SiF_6	2.3
Ammonium Silico Fluoride	$(NH_4)_2SiF_6$	2.4
Ammonium Acid Fluoride	NH_4HF_2	1.9
30% Fluosilicic Acid	H_2SiF_6	1.4
100% Acetic Acid	CH_3COOH	1.8
56% Acetic Acid	CH_3COOH	1.0
Sodium Acid Fluoride	$NaHF_2$	1.7
Oxalic	$H_2C_2O_4(2H_2O)$	1.7
100% Hydrofluoric Acid	H_2F_2	5.4
30% Hydrofluoric Acid	H_2F_2	1.6

The sours listed above are all good sours, as are many commercial mixtures. However, not all acids are safe souring agents. Such chemicals as hydrochloric acid, sulphuric acid, and sodium acid sulphate will cause damage to fabrics, even when carefully rinsed out. There are enough good, safe sours to use without incurring the risk of damaged goods and resultant claims. Oxalic acid, widely used for removal of rust stains, must be thoroughly rinsed from the fabrics to avoid chemical damage.

Rules for the use of sour are simple. Souring is done at a low water level of 4 to 5 inches so that there may be a high concentration without wastage of supplies. The temperature is held as high as possible considering that the load must be handled after one or two more operations (130 degrees is recommended). Time of operation is about 5 minutes—just enough for neutralization to take place.

Rust removal is an important function of the sour bath. A sour is chosen that, in addition to neutralizing value, will also remove rust stains. A sour such as oxalic acid is used when high rust concentrations are encountered. Thorough rinsing after the operation is required to insure removal of the oxalic acid which will cause chemical damage if an excess is left in the clothes. A common mixture, tailor-made to avoid such complications, is one of oxalic and acetic acid. The oxalic acid, being more active, is used up first, leaving as excess only acetic acid, which will not cause damage. For minor rust-stain removal a sour is chosen containing an acid fluoride salt.

The point in washing operations at which a sour bath is added depends on the water supply. With water of low bicarbonate alkalinity, sour after rinsing and then blue the load. With water of high bicarbonate alkalinity, blue first and then sour. The reason for this is that the alkalinity of the water raises the pH to undesirable levels, necessitating the use of excessive sour to counteract this reaction.

Properties of Sours

Name	Commercial Form	Reducing Power	Volatile at Ironing Temperature	Amount Necessary To Replace 1 Oz. of Oxalic Acid
				(Avoirdupois)
Acetic acid	56% solution	Very mild	Yes	1.70 oz.
Acetic acid	80% solution	Very mild	Yes	1.19 oz.
Ammonium acid fluoride	White powder	Small	Yes	0.90 oz.
Ammonium silico-fluoride	White powder	None	No	0.71 oz.
Formic acid	90% solution	Strong	Yes	0.81 oz.
Hydrofluoric acid	30% solution	None	Yes	1.06 oz.
Hydrofluoric acid	48% solution	None	Yes	0.67 oz.
Oxalic acid	Crystals	Strong	No	1.00 oz.
Sodium acid fluoride	White powder	Small	No	0.98 oz.
Sodium silico-fluoride	White powder	None	No	0.75 oz.

Source: Philadelphia Quartz Co.

Shirt Problems and Probable Causes

"Pinholes" in fabrics: Introduction of live steam into water in washwheel during the bleaching operation. Bleaching should be carried out at temperatures between 140° and 160° F. Increasing temperatures beyond this range increases tensile-strength loss.

Dirty buttons: Sudden changes in temperature of rinse baths. The first rinse should be the same as or slightly higher than that of the last suds. If lower temperatures are used, there may be deposition of dirt on buttons, which cool more rapidly than the rest of the load. Temperature of succeeding rinses may be reduced but sudden changes should be avoided.

Uneven bluing: May result from overloading nets and/or washer; uneven souring; insufficient running time; using too great a concentration of blue and/or adding it to the load incorrectly.

Setting of blood stains: Too high a temperature on the break. When dealing with blood-stained garments keep the break temperature below 100° F.

Soap specks and "tattletale gray": Redeposition of soil on the load resulting from use of hard water; washing excessively soiled clothes which cause soap to break down; or insufficient rinsing.

Starch turns brown: The color change occurs during the finishing operation and is often caused by excessive alkalinity of the water used in cooking starch. The higher the alkalinity of the solution, the greater the density of the starch and the more apt it is to congeal. On being heated, congealed starch will turn yellow or brown. A small amount of a safe sour may be added to each batch to remedy this condition.

Sticking starch: When starch accumulations form on press heads and cover cloths, improper cooking is nearly always the fault. Be sure to boil starch for at least 20 minutes. Always begin the process using warm, not hot, water. Sticking of starchwork may also be caused by insufficient rinsing and/or excessive souring.

Starch blisters: When starch is overcooked it becomes thin and weak; if used in this condition it tends to blister and buckle. Follow the manufacturer's cooking directions carefully. Blisters are also apt to appear on collars if the collar press operator fails to allow sufficient time for drying or if the bosom press operator accidentally sprays the finished part of the shirt while spraying the bosom.

Reclamation of Stained Linens

There are many methods to reclaim linen ranging from single-piece treatment to bulk formulas. The bulk treatment method is described here.

Most plants collect stained linens until they have a load and then rerun in a formula that is the same or a little stronger than their regular washing formula. This is known as a "washover formula." The good pieces are then picked out and the remainder are rerun again. The danger in this method lies with successive rewashes. For extra bleach is generally used at high temperatures, and linens suffer high strength losses.

A linen reclamation formula differs from a washover formula in that it is designed to restore linens to usable condition in one treatment. Instead of being rewashed, unsatisfactory pieces are downgraded for use in other departments. For example, a stained towel might well serve as a wiping cloth while it still had some value. It takes confidence in a formula, of course, to know that if pieces are not cleaned up they should be put to another use or discarded.

A good reclamation formula should remove metallic stains, bleachable stains, oil and other types of stubborn stains.

Some of the early reclamation formulas required linens to be "boiled out" in a special tank and then transferred to a washer for the final operations. This is a messy procedure and requires extra equipment and handling. All that is needed is a metal washer with a steam connection. A metal washer is preferred because a wooden cylinder can become channeled by prolonged use of live steam.

The reclamation formula given below uses chlorine. It is used only for white cotton work, since colors will "print off" in strong, hot solutions of soap and alkali. This is true even of so-called fast-colored garments.

Cotton White Work

Special Reclamation Formula

(chlorine bleach)

Operation	Degrees Fahrenheit	Water Inches	Time Minutes	Supplies per 100 lb. Load
1. Flush	Hot	12	3	
2. Sour	160	6	15	¾ lb. oxalic acid or 1 lb. ammonium acid fluoride
3. Flush	160	12	3	
4. Flush	160	12	3	
5. Flush	160	12	3	
6. Boil out	200	6	1 hr.	5 lb. sodium sesquisilicate ½ pt. pine oil (optional) Heavy suds
7. Flush	160	12	3	
8. Flush	140	12	3	
9. Flush	120	12	3	
10. Bleach	100	6	1 hr.	2 qt. 14% bleach
11. Rinse	140	12	3	
12. Rinse	160	12	3	
13. Rinse	160	12	3	
14. Rinse	140	12	3	
15. Rinse	120	12	3	
16. Blue	100	12	3	

Load wheel to approximately 60% of rated capacity

This formula is sometimes described as a "reverse sour" formula because the sour is run first. The sour is run first for good reasons: First, to remove rust before bleach has a chance to act on it and cause localized damage. Second, it helps to remove lime soap and uncover stains in order that the bleach may act on them. And third, it places the boil operation containing soap last where it helps to restore lubrication to the linens to make them iron more easily.

Note that the bleach operation differs from most in that it is run cold. It follows the boil-out to reduce the supply concentration to the point where efficient bleaching can be obtained and it also reduces the temperatures to 100° F.

The combination of a long bleaching cycle, low temperatures, and high concentration of bleach put together the necessary conditions for very effective bleaching with safety. The two quarts of 14 percent bleach suggested in the formula give tensile strength losses of about 7 percent. On badly stained work this is not considered excessive where a large percentage of the load can be returned to service.

This formula is very flexible. For example, if your stain work does not contain grease or heavy-set stains that require boiling, replace the boil with a light suds to remove any accumulations of catch dirt and then go into the bleach. It is also possible that the load has bleachable stains only and can go into the bleach operation at once, leaving both the rust and grease removing operations out of the formula.

Another variation of this formula is to allow the boil operation to set overnight and bleach the following day. This sometimes gives exceptionally good removal of deep-set stains.

Source: Philadelphia Quartz Co.

Reclaiming Nylon and Dacron

White nylon and Dacron garments tend to turn gray and build up soil as a result of continued home washing in hard water. These synthetic fabrics can be reclaimed and returned to use by applying the following procedures.

Low temperature (100° F) washing with low-titer built soaps or synthetic detergents generally is recommended for lightly soiled synthetic-fiber fabrics. However, a more thorough washing procedure is required to clean heavily soiled items.

The following washing formula will improve the appearance of many of the heavily soiled synthetics.

Washing Formula

For Heavily Soiled Synthetics

Operation	Water Level	Temperature	Time	Supplies
Suds	Low	130–140° F	6–8 min.	Built soap
Suds	Low	140–150° F	6–8 min.	Built soap
Suds	Low	140–150° F	6–8 min.	Built soap
Rinse	High	140–150° F	3 min.	
Rinse	High	120°	3 min.	
Rinse	High	100°	3 min.	
Rinse	High	100°	3 min.	
Sour	Low	100°	3–5 min.	

Note: Temperatures below 160° F are recommended because higher temperatures will set wrinkles in these thermoplastic fibers.

Extractor pressure will also set wrinkles. Avoid this by drip-drying or by giving the items only a light extraction.

Finish nylon by steam pressing because the heat of hot-head pressing will turn nylon yellow.

—Source: AIL

Starching Data

Preparation of Starch

The use of all-cooked starch for sizing shirts in the wheel is recommended because cooked starch gives work a better feel and finish, more uniform results and less is required than if starch is used raw.

Prepare the thin-boiling, noncongealing starch on the basis of 8 oz. per finished gallon—the thick-boiling starch on basis of 5 oz. per finished gallon.

The following table shows amount of starch to use in preparing given quantities of cooked starch on the basis of either 8 oz. or 5 oz. per finished gallon:

To Make	At 8 Oz. Per Gal.	At 5 Oz. Per Gal.
10 gal.—use	5 lb.	3 lb. 2 oz.
15 gal.—use	7½ lb.	4 lb. 11 oz.
20 gal.—use	10 lb.	6 lb. 4 oz.
25 gal.—use	12½ lb.	7 lb. 13 oz.

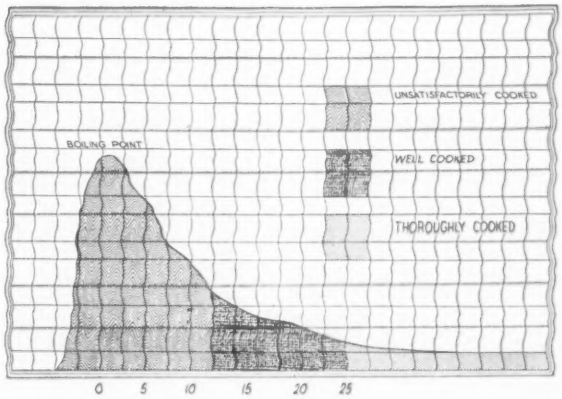
When preparing starch, always:

1. Weigh starch and measure water accurately. Do not guess.
2. Boil starch fairly hard for at least 20 minutes, counting time from moment boiling actually starts.
3. Check valves on starch cooker to make sure they do not leak and thus cause the starch solution to thin out.
4. Keep starch cooker and all containers clean to prevent souring.
5. Do not "build up" starch. Make fresh starch each time. Adding old starch to new is false economy.

Procedure for Sizing Shirts Complete in the Wheel

1. Have 3 inches of water in inside cylinder of wash wheel.
2. Use one gallon full-strength starch to each 25 to 35 shirts—on an average 3 gallons (one 12-qt. pail) to each 100 shirts.
3. Add required amount of starch to the wheel during last rinse or bluing process, while wheel is in motion and turning toward you. Run load for a full 10 minutes.
4. Increase or decrease the amount of starch used, if necessary, to meet local conditions or special requirements as to weight and body of shirt work.
5. When shirts are washed in nets figure each net as two shirts and make proper allowance for amount of starch to be used.
6. After starching, extract shirts until just a trace of water comes from the extractor. Time required will depend on speed of extractor and weight of load. Iron directly on press machine.
7. Colored shirts require 10 to 15 percent less starch than white shirts, so if washed separately, use proportionately less starch than recommended above. It is recommended, therefore, that white and colored shirts be sized separately whenever possible.

Noncongealing Starch



Vertical axis shows minutes, horizontal axis shows energy expended

The graph explains why 20 or more minutes of cooking are recommended. Any shorter cooking period results in incomplete disintegration of the granules, leaving partly cooked particles that are very sticky and viscous and cause difficulty in the laundry operation.

Methods of Sizing Shirts in the Wheel

There are two methods by which shirts may be completely sized in the wheel:

1. Size in the wheel in which shirts have been washed, during the last rinse or bluing process. The water level is dropped to 3 inches in the inside cylinder and the required amount of starch added to the wheel while in motion.
2. Size in the wheel in which shirts have been washed but after washing process has been completed. Water is drained from wheel, the wheel is stopped and opened and the required amount of starch is poured directly over the shirts.

Method No. 1 is standard practice in the great majority of laundries sizing shirts completely in the wheel. It is recommended because of the time and labor it saves, and the higher degree of uniformity of work it assures.

How To Use Raw Starch in the Wheel

Lack of a starch cooker in some plants makes the use of raw starch an attractive method. The required amount of raw starch should be suspended in a bucket of water and this mixture distributed evenly over the inside cylinder while the wheel is in motion. The load is run for 10 minutes.

Extractor, Tumbler, Ironer Data

Extraction Data

An efficient extractor should remove roughly 70 percent of the water in the load. Underextraction produces wet material, resulting in delays and added costs in the finishing department. When the amount of moisture retained in the load reaches 50 percent of the load's dry weight, it is no longer economically feasible to continue extraction—that is, a dry load of 70 pounds should weigh approximately 105 pounds on leaving the extractor: 70

pounds dry weight plus 35 pounds retained moisture = 105 pounds. The table below assumes 2.5 pounds of water absorbed by each dry pound of clothes—an average figure. Extraction is continued until moisture retained is

Type	Basket Volumes: Diameter	Basket Volumes: Cubic Feet	Weight of Loads, Pounds: Dry Weight Load	Weight of Loads, Pounds: Weight Before Extraction	Weight of Loads, Pounds: Weight After Extraction
Solid-Curb	20″	1.73	25	87.5	37.5
	24″	2.91	40	140	60
	26″	3.31	50	175	75
	28″	4.29	60	210	90
	30″	5.60	70	245	105
Open-Top	40″	12.3	145	507.5	217.5
	48″	19.1	230	805	345
	60″	32.4	380	1330	570
	72″	46.8	550	1925	825

80% of water removed in extraction

Source: AIL

equal to 50 percent of dry weight; in this case 80 percent of the water is removed. Weighing a load of known dry weight before and after extraction, a laundry operator can readily check the efficiency of his extractors.

Extractors

Type	Diameter	*r.p.m.	**Dry Load Pounds
Solid-Curb	15″	1600–1750	10
	17″	1500–1700	12–20
	20″	1400–1500	25–30
	26″	1200–1400	40–55
	28″	1100–1200	60–70
	30″	1000–1100	70–80
Open-Top	40″	850–925	150–170
	48″	750–800	200–250
	50″	750–800	300–350
	54″	700–750	350–400
	60″	600–700	400–450

* Approximate—r.p.m. of similar size extractors of different manufacturers vary.

** Manufacturer's rated capacity.

Extractor revolutions per minute and pounds of centrifugal force decrease with increasing capacities. Heavier loads require longer extraction periods, although periods required will vary with atmospheric conditions and class of work handled. Wetwash should run about 4 to 6 minutes in a 17-inch extractor; 10 to 12 minutes in a 30-inch extractor and 15 minutes in a 48-inch extractor.

Extracting Synthetic Fabrics

Synthetic fabrics hold very little moisture and may be damaged if subjected to excessive mechanical action. Over-extraction can produce wrinkles which are impossible to remove and, in some instances, the centrifugal force generated during the normal running cycle is great enough to break the fibers.

Running the extractor up to speed and cutting it off is considered good practice in handling synthetics.

Kilowatt Hours

To Run Extractors a Given Time in Minutes

Time In Minutes	Extractor Diameters: 20″	24″	26″	28″	30″	40″	48″
1	.042	.050	.071	.083	.095	....	....
2	.048	.069	.082	.095	.108	....	....
3	.055	.079	.092	.107	.122	....	....
4	.062	.088	.103	.119	.135	.46	.65
5	.069	.097	.114	.131	.149	.50	.70
6	.075	.106	.125	.143	.162	.54	.75
7	.082	.116	.135	.155	.175	.58	.80
8	.089	.125	.146	.167	.189	.62	.85
9	.095	.134	.157	.179	.202	.66	.90
10	.102	.144	.167	.192	.216	.70	.95
11	.109	.153	.178	.204	.229	.74	1.00
12	.115	.162	.189	.216	.242	.78	1.05
13	.122	.171	.199	.228	.256	.82	1.10
14	.129	.181	.210	.240	.269	.86	1.15
15	.135	.190	.221	.252	.283	.90	1.20
16	.142	.199	.232	.264	.296	.94	1.25
17	.149	.209	.242	.276	.309	.98	1.30
18	.155	.218	.253	.289	.323	1.02	1.35
19	.162	.227	.264	.300	.336	1.06	1.40
20	.169	.237	.275	.312	.350	1.10	1.45

Source: AIL

The table records kilowatt hours required for extractors of various sizes at increasing running times. A 48-inch machine draws 1.45 kw. hours for a 20-minute extraction period; at 2 cents a kw. hour the power cost is 2.9 cents for the load.

Releasing Suction

Safe pulling of clothes from centrifugal extractors can be accomplished with ease if a strip of cover duck 3 or 4 inches wide is placed across the entire bottom and up the sides of the basket before the load is put in. Give one end of this strip a pull and the suction created by the centrifugal action will be released with no strain on the garments or nets. This suction is always heavy and garments should always be released from it, then lifted out.

Tumbling Data

Running times will vary from 5 to 30 minutes depending on the size of the tumbler and type of fabric processed. Silks and whites should be run at 110 to 120° F; loose-weave woolens at 120 to 140° F, and tight-weave woolens at 140 to 160° F, to prevent shrinkage.

Some plants make it a practice to precondition synthetic materials 3 to 5 minutes in a heated tumbler with a steam jet until the fabrics are dry except for the moisture from the injected steam in the tumbler. Preconditioning helps remove extraction wrinkles which appear even when extraction is kept to a minimum and excess moisture which, in combination with heat and pressure of finishing, causes stiffness, shine and fusing.

Do not tumble glass fabrics, Dynel, Orlon fleece, Saran or Velon.

Tumbler Drying Time

Drying time varies in proportion to the size of the load and the degree of extraction. These are the two major variables. Actual drying time will depend also on the ma-

terials processed, the amount of gas or steam pressure used, weather conditions, and other variables.

Larger loads require longer tumbling and nothing is gained by overloading. As the table below indicates, the drying time per pound for a 36-by-30-inch tumbler drops considerably up to loads weighing 32 pounds (manufacturer's rated capacity) after which the rate of drying remains constant.

Short cuts in the extraction cycle mean additional drying costs. For example, bath towels extracted to 70 percent of their dry weight need 30 percent more drying time than towels extracted to 50 percent.

Tumbling need not be continued until the material is thoroughly dried; in fact, towels tumbled 97 percent dry are of good quality and are not nearly so hot to handle as when thoroughly dried.

Another reason why absolute dryness is not essential is that a given fabric under average room conditions absorbs approximately 6 to 8 percent moisture, depending on the humidity of the air.

The exhaust-air temperature of a tumbler has a direct relationship to the degree of dryness of the load. It is important, therefore, that timing devices operated by stack temperatures be adjusted to the size of the load, particularly where individual bundles of varying sizes are tumbled dry.

Load Size vs. Drying Time Per Pound

Pounds	Drying Time Minutes	Minutes Per Pound
4	5.3	1.3
8	7.2	.9
12	8.9	.74
16	10.7	.67
20	12.7	.635
24	14.9	.621
28	17.1	.610
32	19.4	.606
36	21.8	.605
40	24.2	.605
44	26.7	.605

Source: AIL

Tumblers

Loads, Steam and Electrical Consumption

		Per Load			Per Hour (Two Loads)		
Type	Size (Inches)	Dry Load, Pounds	kw. Hours	Pounds Steam	Dry Load, Pounds	kw. Hours	Pounds Steam
Open-End	26 x 18	20	.11	22	40	.23	44
Open-End	36 x 24	26	.15	29	52	.30	58
Open-End	36 x 30	32	.35	30	64	.70	60
Utility	36 x 36	40	1.15	80	80	2.30	160
Utility	36 x 48	55	1.70	110	100	3.40	220
Utility	42 x 42	70	.93	82	140	1.86	164
Utility	42 x 60	100	1.35	117	200	2.70	234
Utility	42 x 90	150	2.00	175	300	4.00	350
Utility	42 x 120	200	2.70	233	400	5.40	466

Source: AIL

Capacities, power consumption and steam requirements for tumblers of various sizes are important in planning future expansions or computing costs. A 42-by-90-inch tumbler requires 175 pounds of steam per load and at 2 cents a kw. hour will produce 150 pounds of clothes at a power cost of 4 cents.

Twin Cylinder and Noncylinder Tumblers

Type	*Dry Load Pounds	Size	*Drying Time Lb./minute
Twin	15/cyl.	26 x 24"	*5–25
Noncylinder	10/cyl.		10
Noncylinder	20/cyl.		10

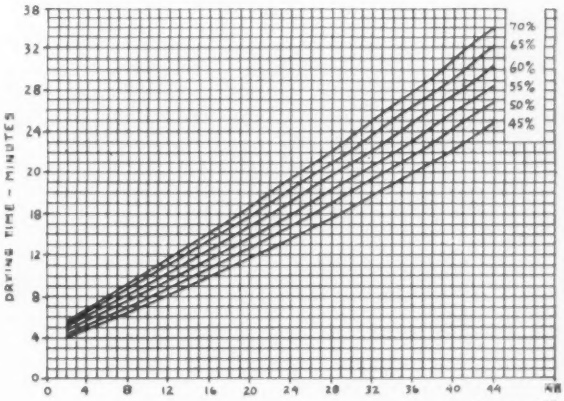
* Manufacturer's rated capacity.

Conditioning Tumblers

Size (Inches)	*Dry Load Pounds	*Loads Per Hour
**34 x 72	800 lb./hour	
36 x 30	15 lb./load	
48	30 lb./load	30
**48 x 84	1,500 lb./hour	
**60 x 96	3,500 lb./hour	
72	200 lb./load	20

* Manufacturer's rated capacity.
** Continuous shakeout and conditioning tumblers.

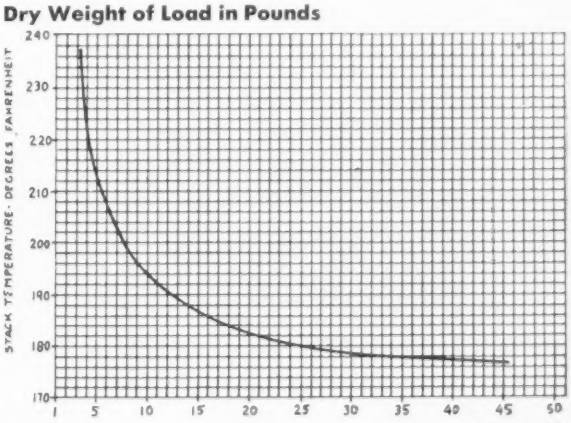
Weight of Towels in Pounds



Source: AIL

Effect of extraction upon drying time (97 percent dry): A 2-pound bundle of bath towels extracted to 45 percent moisture was dried in 4.1 minutes, while 5.7 minutes were required with extraction to 70 percent moisture, an additional drying time of 1.6 minutes, or 39 percent longer

Dry Weight of Load in Pounds



Source: AIL

Stack temperature at 97 percent dry load: The tests showed that the temperature in the tumbler exhaust duct is definitely related to the amount of moisture remaining in a load and to the size of the load

Ironer Data

Approximate Flatwork Ironer Production Pounds Per Hour

Based on not over 50% retention; 100 lb. steam; good trap system

Type		Float Roll W.A. and Flat	Family Flat Net Identification	Family Flat Full Identification	Commercial Flat Sheets, Cases, Etc.
Chest	8-roll	300–330 lb.	400–485 lb.	465–530 lb.	530–665 lb.
	6-roll	225–250	300–350	350–400	400–500
	4-roll	150–165	200–235	235–270	270–335
	2-roll	75– 85	105–120	120–140	140–175
Double Cylinder	30″	175–190	230–270	270–310	310–385
	24″	115–130	155–180	180–205	205–255
Single Cylinder	48″	160–175	210–245	245–280	280–350
	100″ x 16″	37– 41	50– 58	58– 66	66– 82

Source: AIL

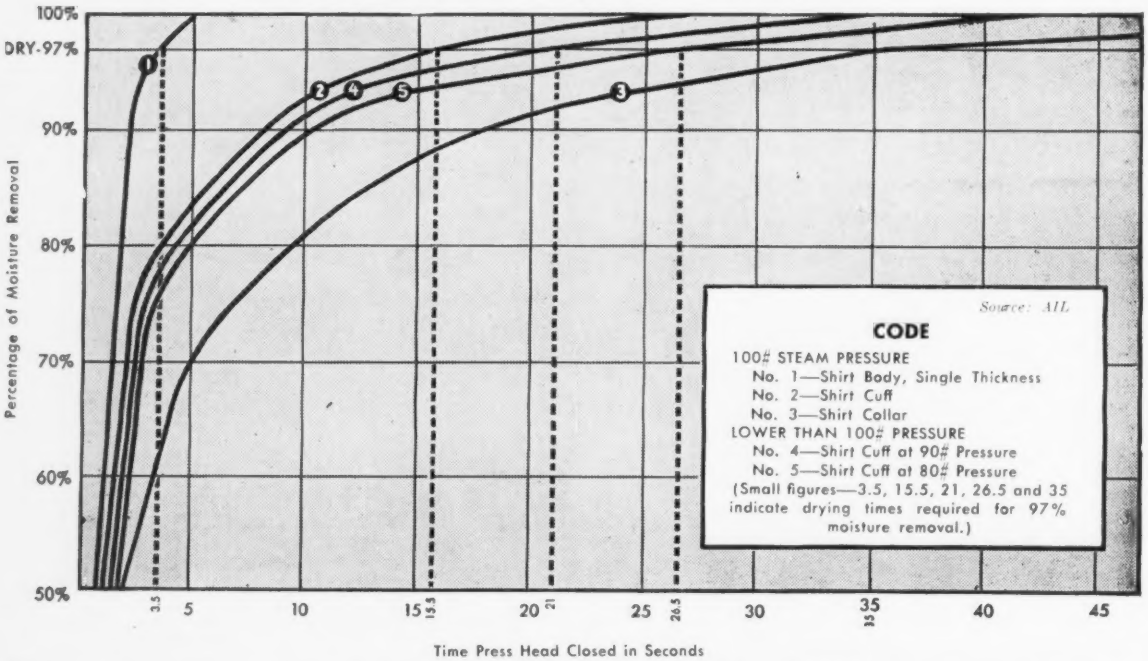
Approximate Flatwork Ironer Production Sheets Per Minute

Feeding selvage first, allowing 1 foot between sheets, 2/3 and full apron speeds, steam at 100 lb. pressure, 100 percent quality

Type		54″ Sheets		63″ Sheets		72″ Sheets		81″ Sheets		90″ Sheets	
		2/3	Full	2/3	Full	2/3	Full	2/3	Full	2/3	Full
Handy			2.00		1.76		1.57		1.42		1.29
Chest	2-roll	2.00	4.00	1.76	3.52	1.57	3.14	1.42	2.84	1.20	2.59
	4-roll	4.84	7.28	4.28	6.40	3.81	5.72	3.45	5.17	3.14	4.71
	6-roll	7.28	10.90	6.40	9.80	5.72	8.57	5.17	7.75	4.71	7.07
	8-roll	9.80	14.55	8.64	12.80	7.70	11.42	6.97	10.32	6.36	9.40
Double Cylinder	24″	7.28	10.90	6.40	9.60	5.72	8.57	5.17	7.75	4.71	7.07
	30″	7.28	10.90	6.40	9.60	5.72	8.57	5.17	7.75	4.71	7.07
Single Cylinder	48″	7.28	10.90	6.40	9.60	5.72	8.57	5.17	7.75	4.71	7.07
	16″ x 100″		2.73		2.40		2.14		1.93		1.77

Source: AIL

Effect of Steam Pressure on Drying Time for Laundry Presses



Establishing 97 percent moisture removal as proper for actual laundry operation, the chart indicates the importance of adequate steam pressure at the equipment in promoting speedy and effective drying. Note, for example, that at 80 pounds pressure, drying time of 26.5 seconds for a shirt cuff is 70.9 percent greater than the time of 15.5 seconds at 100 pounds pressure. Presses used in these tests were covered with new padding. Inadequate or poorly maintained padding will result in decreased moisture removal by as much as 3 percent. For example, using new padding, 97 percent of the moisture was removed from cuffs in 15.5 seconds at 100 pounds pressure. Using old padding, about 94 percent of moisture would have been removed in the same interval of time and a similar working steam pressure

Small Flatwork Ironers (Gas, Steam or Electric Heated)

Heat sources: 1 = gas or electric; 2 = steam; 3 = gas.

Size (inches) and heat source	Speed range (feet per minute)	Rolls	Size (inches) and heat source	Speed range (feet per minute)	Rolls
48—1	14	1	80—2, 3	6–18	1–5
50—1, 2	12	3	85—3	8–24	5
54—3	11	1	100—1, 2	6–48	1–4
56—1, 2	14	1	104—1	5–30	5–7
60—3	6–24	3	110—2, 3	8–48	4
66—2	11	1	120—2	7–52	2–4
75—1, 2	12	3	132—2	15–45	2–4

Production Standards

Because they are the heart of any wage incentive plan, operator production standards are at once the point of highest importance and greatest vulnerability. Production standards for a particular job at a particular plant can be determined *only by time studies conducted for that job at that plant.*

"Standard production is the rate at which a normal average worker performs at an average rate of speed under average working conditions and, as a result, produces an average daily production of average quality. This rate may be expressed in the number of units of output an hour or in the number of hours to produce 100 units."*

Although it is impossible to create a single, inflexible set of standards for all laundries, the figures here are helpful as guides for rough estimation or comparison.

Standards and Incentives

Working from extensive time studies conducted on the job, field engineers of the American Institute of Laundering established the following production standards for a typical laundry in the Middle West. Wage incentive payments based on these standards raised the plantwide production efficiency to 98 percent of standard.

Although careful time studies are necessary before the installation of a workable wage incentive plan, the important factor which must be kept in mind is that of allowing for sufficient flexibility in setting plant standards, in order that adaptation of departmental changes may be readily made to the existing system.

A change in plant layout which permits a more effective workflow, the installation of equipment which results in greater productivity, as well as fashion changes, directly affect the criteria set for production under an incentive system.

There are numerous other factors which must be taken into consideration before an incentive plan is installed in a plant. Therefore, arbitrary standards should not be set; as plant conditions change the incentive system in effect must possess that adaptability which will grant the greatest effectiveness.

Generally speaking, there are three basic incentive systems:

1. The piece-rate plan is the easiest to understand. The girls get so many cents per shirt. The more they produce, the more they make. But it doesn't allow for the element of time, nor does it have any relation to other wages paid in the plant. And if the laundry buys new, faster units, the base rate will have to be reduced—never a popular move.

2. The sharing plan is all right where no previous plan has existed. In this case standards are established, and management and labor split the profits of excess production. It is, however, a weak incentive compared to others.

3. Most popular is the standard hour plan. The wages paid are in direct proportion to increases in production. It allows for variations in the base hourly rate. And wages and productivity are considered independently.

Bundle Breakdown

The following tabulation of bundle contents for various services is interesting although it is improbable that other laundries would have the same "mix." Here the average weights of various classifications of soiled laundry are compared to total average bundle weights.

	Bachelor	Dry-Fold	Fluff-Dry	Economy
Tumble-dry	6.6%	89.2%	41.8%	28.6%
Flatwork ironed	8.5		46.3	44.5
Shirts, regular & work	43.2	8.0	9.2	11.7
Shirts, sport	7.2	2.4	1.2	2.5
Wearing apparel	33.7			12.3
Other (specialties or finished socks)	.8	.4	1.5	.4
	ONE HUNDRED PERCENT			

A few other items of useful information developed from this particular study:

1. There were 792 pieces of small flatwork in every 100 bundles.

2. There were 293 pieces of large flatwork in every 100 bundles.

3. There were 559 pieces of wearing apparel in every 100 bundles.

4. Average weights of bundles in various services:

Bachelor	4.1 lb.
Dry-fold	20.0 lb.
Fluff-dry	15.6 lb.
Economy	20.9 lb.

Items such as play clothes and overalls vary considerably throughout the country. It is important, therefore, that individual samplings be made.

Continued on page 72

* AIL Special Report No. 141, "Wage Incentives for Power Laundry."

Continued from page 71

Operator Production Standards

Operation	Standard Units Per Operator Hour
IDENTIFICATION	
Conveyor—economy	200.0 pounds
dry-fold	243.9 pounds
fluff-dry	263.1 pounds
small commercial	543.4 pounds
Chute—homes only	512.8 pounds
motels only	1250.0 pounds
Marking—bachelor bundles	153.8 pieces
commercial bundles	123.4 pounds
Attaching identifying tabs	
shirts—list pieces	232.5 tabs
Net service	1265.8 pounds
DAMP ASSEMBLY & DISPATCH	
Combination standard	35.8 bars
Damp assembly	81.9 bars
Damp dispatch	63.6 bars
Attach clips—wearing apparel	200.8 clips
shirts	237.5 clips
Bundle work dispatch	2.0 lots
TUMBLING	
Tumble & fold—coveralls	60.9 pieces
Tumble—family bundles	301.2 pounds
Fold tumbled—family bundles	138.8 pounds
Fold tumbled work—automatic wrapper	153.8 pounds
SHIRT FINISHING	
Regular shirts	
2-girl unit #1	25.0 pieces
2-girl unit #3	23.8 pieces
3-girl unit	30.8 pieces
Sport shirts	
2-girl sport unit	20.9 pieces
FLATWORK FINISHING	
Family work	
8-roll, 6 operators	43.4 pounds
8-roll, 5½ operators	45.2 pounds
Family work—white flat only, 6-roll	44.2 pounds
WEARING APPAREL FINISHING	
Half slip	71.4 pieces
Blouse	29.4 pieces
Pajama pants	30.3 pieces
Pajama top	27.0 pieces
Panties	71.4 pieces
Brassiere	76.9 pieces
Pants	20.0 pieces
Dress	12.5 pieces
Shirt, short sleeve	20.8 pieces
Shirt, long sleeve	13.6 pieces
Full slip	58.8 pieces
Shorts	35.7 pieces
Sunsuit jacket	43.4 pieces
Pedal pushers	25.6 pieces
Silk polo shirt	21.7 pieces
Nightgown	29.4 pieces
Sweater	43.4 pieces
WEARING APPAREL	
Hand ironing	108.6 points
Inspect & fold	465.1 points
LINEN SUPPLY FINISHING	
Coats	28.7 pieces
Uniforms	20.4 pieces
Doctor gowns	35.8 pieces
Barber gowns	35.8 pieces
Frocks	23.8 pieces
Ladies' aprons	71.4 pieces
Tea aprons	71.4 pieces
Vests	29.8 pieces
S.V.A. rolls	35.8 pieces
ASSEMBLY & WRAPPING	
Combination standard	
Detach clips w/a and shirts	304.8 clips
Shirts only	295.8 clips
Wearing apparel only	316.4 clips
Sort and check bundle work	248.7 pieces
Wrap shirts and wearing apparel	81.3 bundles
Wrap flat and tumble bundles—conveyor wrapping	92.4 bundles

Operation	Standard Units Per Operator Hour
BLANKET DEPARTMENT	
Mark in pieces	46.2 pieces
Wash, card & hang	11.5 pieces
Wash & extract	24.1 pieces
Card or fluff	35.9 pieces
Hang to dry	57.1 pieces
Take down, hand-iron binding, bag and seal	17.8 pieces
Take down, hand-iron binding and bag	27.3 pieces
Seal bags	51.5 pieces

FLATWORK IRONING

(Pounds/Operator Hour) Item	8-roll	8-roll commercial	6-roll 5 operators	6-roll 6 operators
Sheets	124.0	125.0	113.6	108.6
Pillowcases	90.0	71.4		
Table tops	72.9			
Tablecloths	61.7			
hospital	74.6			
Louis	—	109.8		
Napkins	—	28.9	31.3	40.8
small	28.5			
large	40.3			
Towels				
hand	69.4	44.4	79.3	75.7
dental	31.2			
roller	36.4	65.3		
soda	56.0	49.5	48.0	44.4
barber	37.7	—	41.4	38.4
continuous	—	129.8	99.0	91.7
Aprons, waist	81.9	—	97.0	90.9
bib	64.5	—	70.4	64.5
Bedspreads	98.0			
Drapes	54.6			
Bath towels	43.4			
Family	43.4			
Hair cloths	31.2			
Blankets	54.6			
Matress covers	54.6			
Small commercial	40.8			
Large commercial bundles	60.6	—	64.1	60.6
Commercial	—	60.6	44.0	40.8
Slips	—	—	68.4	63.2
Rags	—	—	48.0	44.4
Scarf	90.0			

Flatwork Standards

With Folding and Stacking Machines

Service	Piece	Points Per Lb.	Lb. P.O.H.
Commercial	Sheets	.7	143
	Pillowcases	1.3	77
	Tablecloths and Aprons	1.9	53
	Small Pieces	2.5	40
Family	Sheets	.9	111
	Tablecloths	2.2	45.5
	Small Pieces and Pillowcases	2.5	40

Flatwork Standards

One eight-roll ironer handles all small pieces and is equipped with a stacker. A small conditioning tumbler is used for small pieces such as napkins and barber towels; the tumbler operator's time is charged to the crew. The other eight-roll ironer is equipped with a folder and handles

Average Production on a Typical Ironer (Family Work Only)

Article	Crew: Shaker	Crew: Feeder	Crew: Folder	Crew: Backup	Machine Speed	Lb. for Piece	Standard Hrs. for 100 Pcs.	Lb. P.O.H.
Sheets	2	2	2	1	40	1.5	1.92	52
	2	2	2	1	46	1.44	1.68	59.5
	2	2	2	1	32	1.44	2.48	40
	2	2	2	1	60	1.50	1.00	100
Pillowcases	2	2	2	1	20	.29	2.95	34
	2	2	2	1	23	.29	3.06	32.7
	2	2	2	1	32	.29	3.34	30
	0	2	2	0	19	.287	2.00	50
Hand Towels	2	2	2	1	40	.17	2.35	42.5
	0	2	2	0	28	.202	1.49	67
Table Linen	2	2	2	1	40	.69	3.84	26
	2	2	2	1	36	.69	3.98	25
	2	2	2	1	21	.69	4.90	20.4
	0	1	2	3	21	.888	1.62	62
Spreads	2	2	2	1	40	2.30	2.54	39
	2	2	2	1	36	2.34	2.49	40
	2	2	2	1	32	2.34	2.97	33.6
	1	3	3	0	60	1.28	1.45	69
Small Pieces	2	2	2	1	36	.17	3.15	32
	2	2	2	1	32	.17	2.94	34

only sheets and tablecloths. No shakeout tumbler is used. On commercial sheets, no attention is paid to which side of the sheet gets ironed, and the machine is run at about 80 feet per minute. Two operators lay the sheets out, two feed and one folds. One stacker takes care of tying, weighing and recording for both machines.

Family sheets are run at about 60 feet per minute and must be ironed on the right side. On small tablecloths, each feeder works independently. Although the folding machine works in two lanes and folds tablecloths fed in this way, two operators are needed on folding. With the regular five-girl crew, the one operator available for preparing the tablecloths is unable to keep up with the rest of the crew. A sixth operator must then be added, or one feeder and folder must come back and prepare pieces in advance.

Typical Flatwork Standards

Crew: Shaker	Crew: Feeder	Crew: Folder	Crew: Backup	Ironer	Av. Wt. per Bundle	Machine Speed	Standard Hours for 100 lb.	Lb. P.O.H.
				Family				
2	2	2	1	6-roll 120″	9.5		2.63	38
2	2	2	1	6-roll		20′–40′	2.25	45
2	2	2	1	Willey chest-type		21′–32′	2.85	35
2	2	3		8-roll 120″		32′	2.272	44
1	2	2	1	6-roll 110″	5.97	37′	2.91	34.3
2	2	2	1	2-30″ Willey 120″	7.6		3.33	30
1	2	2	1	6-roll	6.7	52′	2.70	37
2	2	2	1	6-roll 120″	7.8	42′	2.70	37
1	3	3			7.9			33.2
1	2	2			7.9			41.8
							1.923	52
	2	2		4-roll American	Lot 60.6#	15′–24′	2.448	41
				6-roll Watts 120″	7.5		3.31	30.2
1	3	3	1	2 36″-120″			2.22	45
				Commercial				
2	2	2	1	6-roll 120″		20′–60′	2.15	46.5
1	2	2	1	6-roll 110″	50.5	37′	2.56	39
1	2	2	1	2-30″ Willey 120″			2.60	38.4
1	3	3			18.3			32
1	3	3						33.0
1	2	2			18.3			44
							2.272	
	3	3	2	2-30″ Watts 120″		32′	3.06	32.7
	3	4	2	2-30″ Watts 120″			3.82	26.2
				6-roll 120″ Watts	28.7		3.17	31.5
1	2	2	1	6-roll American			2.632	38
				Family and Commercial Combined				
2	2	2	1	8-roll 120″			2.56	39
1	2	2	1	4-roll	6.7	52′	2.70	37
2	3	3	2	2-30″ Watts	9.4	32′	3.7	27
1	3	3					2.93	34
1	2	2					2.51	39.9
				6-roll Watts 120″			3.24	30.8
1	3	3	1	6-roll American 100″			2.50	40

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Flatwork Ironer Production

Method	Operators: Shakers	Feeders	Folders	Counters	Lb. Per Operator Per Hour: Hand Ironers	4 Roll	6 Roll	8 Roll	1 Cyl.	2 Cyl.
Net		2	2			30				
	2	2	2	1	1		35	35	35	35
	3	2	2	1	1		38	38		38
	3	2	2	1	1			44		
Fully Identified		2	2			40				
	2	2	2	1*			45	45	40	45
	2½	2	2	½*			45	45		45
	2½	2	2½	1*			45	45		45
	4	3	3	1*				50		
Commercial	2	2	2	1			50	50		50
	2½	2	2½	1			50	50		50
	3½	2	2½	1			50	50		50
Linen Supply	2½	2	2½	1			40	40		40
Shake Feed	1	2	2	1	1		35	35		35
	1	4	2		1		35	35		35
Float Roll	2	2	2	1			32	32		

* Additional folders.

Wearing Apparel Finishing Points

Men's Garments

Shirts, long sleeve	3.5
Shirts, polo	2.6
Shirts, sweat	1.4
Overalls	4.2
Coveralls	7.2
Coveralls, pants creased	11.9
Work pants	5.4
Wash pants, linen	6.2
Wash coats	7.3
Wash vests	1.7
Wash ties	1.9
Shorts	1.8
Undershirts, wet	1.1
Undershirts, tumbled	.6
Nainsook union suit	3.1
Jockey shorts	.8
Long underwear	3.3
Nightshirts	3.2
Pajama trousers	2.1
Pajama coats, open	2.8
Pajama coats, closed	2.1

Ladies' Garments

Dresses, plain	3.8
Dresses, fancy	5.5
Sport shirts or blouses	3.0
Aprons, waist	1.0
Aprons, open-neck tea	2.0
Aprons, closed-neck tea	3.0
Wash coats	4.6
Skirts	2.0
Slacks	4.4
Nightgowns	3.2
Slips	1.8
Panties	1.6
Long underwear	3.3
Brassieres	1.4

Uniforms and Supply

Garments

Uniforms, plain	6.8
Uniforms, fancy	8.4
Aprons, waist	1.0
Aprons, butcher or bib	1.8
Aprons, full skirt bib	4.2
Coats	4.5
Vests	1.7
Jackets	3.6
Frocks	5.8
Work pants	5.4
Cap covers	1.3
Caps, soda	.9
Caps, chefs' and grocery	1.4
Caps, nurses'	1.1
Head bands	.6
Chair bands, laundry bags	.7

Miscellaneous

Belts	.5
Handkerchiefs, sox, small flat	.7
Collars and cuffs (each)	.6
Puff caps	.5
Puff or press shoulders	.9
Covers, cushion	1.9
Covers, chair	9.9
Covers, divan	11.5
Bath or beach robes	3.6
Tablecloths	5.1

Children's Garments

Boy's pants	2.5
Boy's long trousers	4.1
Boy's blouses	2.6
Child's washcoats	4.2
Child's bathrobes	2.0
Child's dresses	2.8
Child's panties	1.0

STANDARD PRODUCTION = 100 points per operator per hour based on two standard mushrooms and one large press and full identification

Pressing Department Production Standards

With the pin-and-net system of identification the wearing apparel finisher is expected to do 90 points per operator hour. With a full identification system 100 points per operator hour. Where specialization is the rule the standard is 115 points per operator hour.

Hand Touch-Up Points

Garment	Points Per Piece
Lace or ruffled collars, Skirts, Sleeves, Pockets, Puff coats or uniforms	1
Nightgowns, Brassieres, Slips, Caps	2
Dresses, Blouses, Aprons, Shirts, Plain cushion cover, Children's wear	3
Uniforms, Robes	5
Plain chair cover	7
Plain divan cover	9

Hand-Iron Complete

Garment	Points Per Piece
Napkins	2
Slips	5
Blouses	6
Children's dresses	8
Table covers	8
Nightgowns	9
Robes	10
Silk dresses	13
Silk shirts	15

Washroom Standards

Washing and Extracting Crew	Standard Hours Per 100#	Pounds P. O. H.
3	.330	300
3	.385	260
2	.446	224
3	.398	251
4	.359	279
2	.333	300
3	.357	280
2	.287	349

Washroom production standards are difficult to establish even with good time study. In this department the standards differ widely between plants because of substantial differences in equipment, machine loading and workflow. The above table indicates standards determined in a random group of average plants washing principally family work. It clearly shows the wide variations that can, and do, exist among plants.

Tumblers

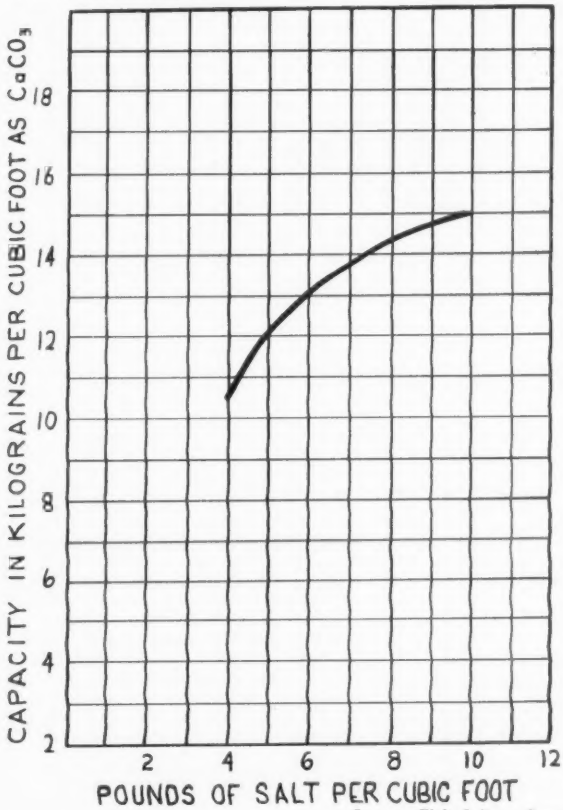
Tumbler Size	Capacity	Time
36″ x 18″	20 lb.	30 min.
36″ x 24″	26 lb.	30 min.
36″ x 30″	32 lb.	30 min.
36″ x 36″	52 lb.	30 min.
42″ x 42″	70 lb.	30 min.
42″ x 90″	150 lb.	30 min.

100 pounds per operator per hour
Fold and wrap (rough-dry wearing apparel)—
750 pieces or 560 pounds per operator per hour
Fold bath towels (24″ x 44″)

A bulk system permits greatest production. Usual time for a tumbler load is 25 to 30 minutes. One operator can usually handle three or four small open-end tumblers—loading, unloading, folding and stacking. For the complete operation a worker should produce about 100 pounds per hour at standard, doing the tumbling and folding, using four tumblers.

Water Supply

Water Hardness Data



Source: Elgin Softener Corp.

Exchange capacity chart for synthetic-gel-type zeolite, extensively used where flow rate is of greater importance than high exchange capacity

Water hardness is usually expressed in parts per million or grains per gallon of calcium carbonate. Similarly, exchange capacity is ordinarily expressed as grains of calcium carbonate per cubic foot of mineral.

Basically, two types of zeolites—natural and synthetic—are most commonly used in softening water. Natural zeolite (greensand) ordinarily operates in the range of 3,000 to 5,000 grains of calcium carbonate per cubic foot. Synthetic equivalents, although more expensive, will usually show exchange capacities ranging from 6,000 to 12,000 grains. Choice will depend on the exchange capacity desired or on minor chemical differences.

A synthetic zeolite with a high exchange capacity offers advantages when water hardness runs 10 to 20 grains per gallon.

Greensand is often preferred when water hardness runs 5 or 6 grains per gallon.

Water that is not very hard is likely to attack a synthetic zeolite and dissolve some of its silica content. Greensand is more resistant to this type of corrosion and also tends to hold up better in acid waters.

Types of Water Hardness

There are two types of hardness, *temporary* and *permanent*. *Temporary* hardness is usually caused by the bicarbonates of calcium and magnesium, and can be removed by boiling. If the compound is in any of the other two forms, namely sulfates or chlorides, it cannot be removed by merely boiling the water. This type of hardness is known as *permanent*.

Classification of Hardness

Soft: Three or less grains of hardness per U. S. gallon (51 p.p.m. or less)

Moderately hard: Three to six grains per gallon (52 to 102 p.p.m.)

Hard: Six to 18 grains per gallon (103 to 306 p.p.m.)

Very hard: More than 18 grains per gallon (above 307 p.p.m.)

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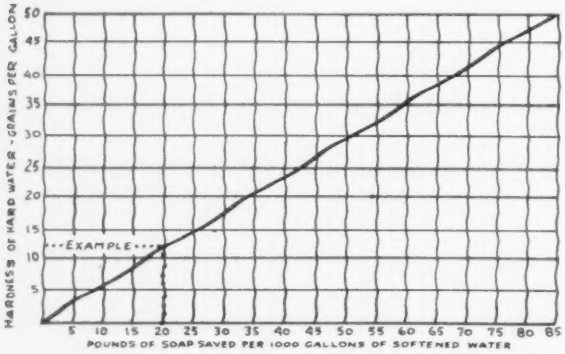
Soft-Water Savings



Source: Elgin Softener Corp.

The chart plots the amount of soap saved through the use of soft water in the laundry. From the water hardness scale at the left side of the graph, trace right to the slanting line; this point on the lower, horizontal scale gives the pounds of soap saved per 1,000 gallons of softened water. As the dotted lines show in the chart above, with water of 12 grains hardness, 20 pounds of soap are saved for every 1,000 gallons of soft water used for washing

What Is pH?

Water is a chemical compound composed of two atoms of hydrogen and one of oxygen (H_2O). One of these hydrogen atoms carries a positive electrical charge and is known as the hydrogen, or H, ion. The other hydrogen atom is combined with the single oxygen atom and this combination, which has a negative electrical charge, is called the hydroxyl, or OH, ion.

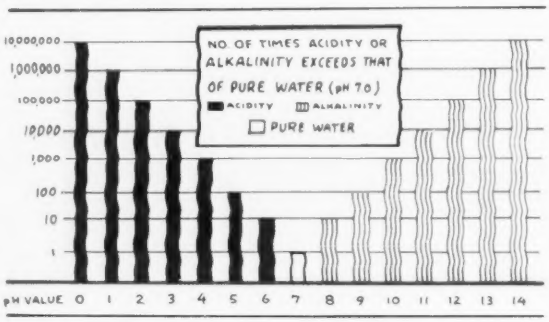
Pure water contains equal numbers of H and OH ions. Thus, pure water is neutral since there is a balance between the positive and negative electrical charges. Many substances, when dissolved in pure water, upset the balance between the H and OH ions. When more OH than H ions are present water is alkaline. When more H than OH ions are present water is acid.

The product of the H and the OH ions in a solution remains constant at the same temperature. Doubling the number of H ions halves the number of OH ions, and vice versa. Thus, merely measuring the concentration of H ions tells how acid or alkaline a solution is. For this purpose the pH scale, ranging from 0 to 14, was devised. Titration is a process for measuring the amount of alkali or acid in a solution.

The neutral point on the pH scale is 7. Acidity is measured downward from 7 to 0; alkalinity runs from 7 to 14. It will be noted that the scale is worked out mathematically in such a way that the relation of change between one full number and the next is tenfold, as illustrated in the graph below.

Laundry practice has shown that certain OH ion (alkali) concentrations produce maximum detergent action. Bicarbonate in the water supply and soil in the clothes act as acids and consume OH ions. In the neutralizing of these factors and the achieving of the alkali concentration required, the pH test is a convenient and necessary yardstick for efficient washroom practice.

pH Concentration



Note from the figures that each increase or decrease of one pH unit makes a tenfold difference in concentration

How Water Hammer Happens

In top illustration condensate has begun to form in line. Steam has plenty of room to pass and nothing unusual will happen. If condensate continues to collect (center diagram) ripples will become waves and then the trouble starts. The waves restrict passage of steam and then velocity of steam increases to form slug of condensate (bottom) which will be carried along pipe until it reaches some obstruction such as a turn in the line. Since velocity of steam can reach 90 m.p.h. it is easy to see how the slug will cause noise and often damage.

Water Hammer Cure

Water hammer is objectionable from the standpoint of noise which is undesirable to most workers. This noise is an indication that there is undue stress being exerted at certain fittings in the water line. This undue stress will overstrain the water piping so that it will rapidly deteriorate or fracture.

It is a simple matter to eliminate water hammer. Since water is relatively noncompressible, when the flow of water is abruptly stopped a shock passes back through the water to be absorbed by the metal of the piping system. To eliminate this, air is used as a shock absorber.

A shock absorber can be made by placing a length of pipe 1 to 3 feet long in a vertical position as close as possible to the shut-off valve. The top of this length of pipe is fitted with a pipe cap. When the system is filled with water, air accumulates in this riser. Since air is compressible, the shock wave will pass through the water to the air chamber where it will be absorbed.

These air chambers will gradually lose the air due to its dissolving in the water. When such a system again starts to hammer, it is then necessary to drain the system at this point to allow the riser to again fill with air.

Commercial shock absorbers for elimination of water hammer are manufactured to accomplish this end. Some use a diaphragm to separate the air from the water chamber and others use a coiled tube. Such units do not lose the air and, therefore, will operate continuously without difficulty.

Discharge of Cold Water

Flow rated in gallons per minute for pipes of various sizes and water of various pounds of pressure.

Water Pressure	Pipe Size ¾-inch	1½-inch	2-inch	3-inch
15	16.09	83.6	173.5	486.8
20	18.54	100.0	203.0	539.0
30	22.63	122.5	246.0	660.0
40	26.22	141.2	287.4	759.0
50	29.3	157.8	313.2	847.5
60	32.1	173.0	352.2	930.0
70	34.95	187.0	380.8	1002.0
80	37.1	200.0	406.5	1072.5
90	39.39	211.8	443.0	1140.0
100	41.15	223.4	455.1	1200.0

Dimensions of Standard Wrought Pipe

Adequate water supply in the washroom is dependent upon proper balancing between main lines and washer feeder pipe requirements. A battery of ten washers, six taking 2-inch lines and four taking 1½-inch lines, will require a 6-inch main. From the chart, six 2-inch pipes require 6 × 3.355 square inches + four 1½-inch lines, 4 × 2.036 = 28.274 square inches required. A 6-inch pipe has a total cross-sectional area of 28.891 square inches which will allow for possible future expansion.

Since all washers will not be filling at the same time, a 20 to 25 percent reduction in capacity is permissible between the main line and total requirements of all feeder lines. In the case cited above, a 5-inch main would provide 30 percent less water than the 6-inch pipe; this might be satisfactory with staggered loads, but it would allow no provision for future expansion and would be inadequate for peak requirements.

Nominal Size in Inches	Actual Inside Diameter (Inches)	Outside Circumference (Inches)	Inside Cross-Section Area (Square Inches)
⅛	.269	1.272	.057
¼	.364	1.696	.104
⅜	.493	2.121	.191
½	.622	2.639	.304
¾	.824	3.299	.533
1	1.049	4.131	.864
1¼	1.380	5.215	1.495
1½	1.610	5.969	2.038
2	2.067	7.461	3.355
2½	2.469	9.032	4.787
3	3.068	10.996	7.393
3½	3.548	12.566	9.886
4	4.026	14.137	12.730
4½	4.506	15.708	15.961
5	5.047	17.477	20.006
6	6.095	20.813	28.891
7	....	....	38.484
8	7.981	27.096	50.027
9	....	....	63.617
10	10.020	31.368	78.855
12	11.938	40.056	111.930

Source: AIL

Proportions Between Feed Pipes and Main Lines

(Number of smaller pipes to equal cross-sectional area of one larger pipe)

Main Line Sizes (Inches)	Feed Pipe Sizes (Inches) ⅜	½	¾	1	1¼	1½	2	2½	3	3½	4	4½	5	6
⅜	1	...	...	...	...	...	...	...	...	...	...	...	...	...
½	1.6	1	...	...	...	...	...	...	...	...	...	...	...	...
¾	2.8	1.8	1	...	...	...	...	...	...	...	...	...	...	...
1	4.5	2.8	1.6	1	...	...	...	...	...	...	...	...	...	...
1¼	7.8	4.9	2.8	1.7	1	...	...	...	...	...	...	...	...	...
1½	10.6	6.7	3.8	2.4	1.4	1	...	...	...	...	...	...	...	...
2	17.6	11.0	6.3	3.9	2.2	1.6	1	...	...	...	...	...	...	...
2½	25	15.7	9.0	5.5	3.2	2.4	1.4	1	...	...	...	...	...	...
3	39	24.3	13.9	8.6	4.9	3.6	2.2	1.5	1	...	...	...	...	...
3½	52	32	18.5	11.4	6.6	4.8	2.9	2.1	1.3	1	...	...	...	...
4	67	42	24	14.7	8.5	6.3	3.8	2.7	1.7	1.3	1	...	...	...
4½	83	52	30	18.5	10.7	7.8	4.8	3.3	2.2	1.6	1.3	1	...	...
5	105	66	38	23	13.4	9.8	6.0	4.2	2.7	2.0	1.6	1.3	1	...
6	151	95	54	33	19	14.2	8.6	6.0	3.9	2.9	2.3	1.8	1.4	1

Source: AIL

This table may be used when washer feed pipes of one size only are to be taken from a main line. From the chart 8.6 2-inch pipes are equivalent in cross-sectional area to one 6-inch main. Since the area of the main line ordinarily may be 25 percent less than the total of all pipes running to the washers, ten 2-inch lines may be taken from a 6-inch main.

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Table of Water Heads and Equivalent Pressures

To estimate any pressure, multiply the head (in feet) by .433. The result is pounds per square inch. For every 2.3 feet the water head is above the discharge, 1 pound per square inch is added to the pressure.

Head in Feet	Pressure Pounds Per Square Inch	Head in Feet	Pressure Pounds Per Square Inch	Head in Feet	Pressure Pounds Per Square Inch
5	2.17	125	54.13	550	238.15
10	4.33	150	64.95	600	259.80
15	6.50	175	75.78	650	281.45
20	8.66	200	86.60	700	303.10
30	12.99	225	97.43	750	324.75
40	17.32	250	108.25	800	346.40
50	21.65	275	119.08	850	368.05
60	25.98	300	129.50	900	389.70
70	30.31	350	151.55	950	411.35
80	34.64	400	173.20	1000	433.00
90	38.97	450	194.85	1100	476.30
100	43.30	500	216.50	1200	519.60

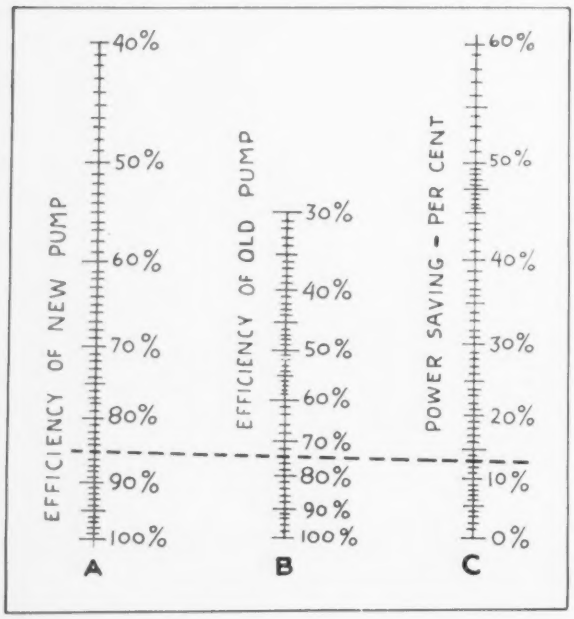
Measuring Pump Efficiency

In comparing efficiency of pumps, users often make the mistake of subtracting the efficiency of the old pump from the efficiency of the new pump and calling the difference the improvement in efficiency. The correct method is to subtract the two efficiencies, and then divide the difference by the efficiency of the new pump.

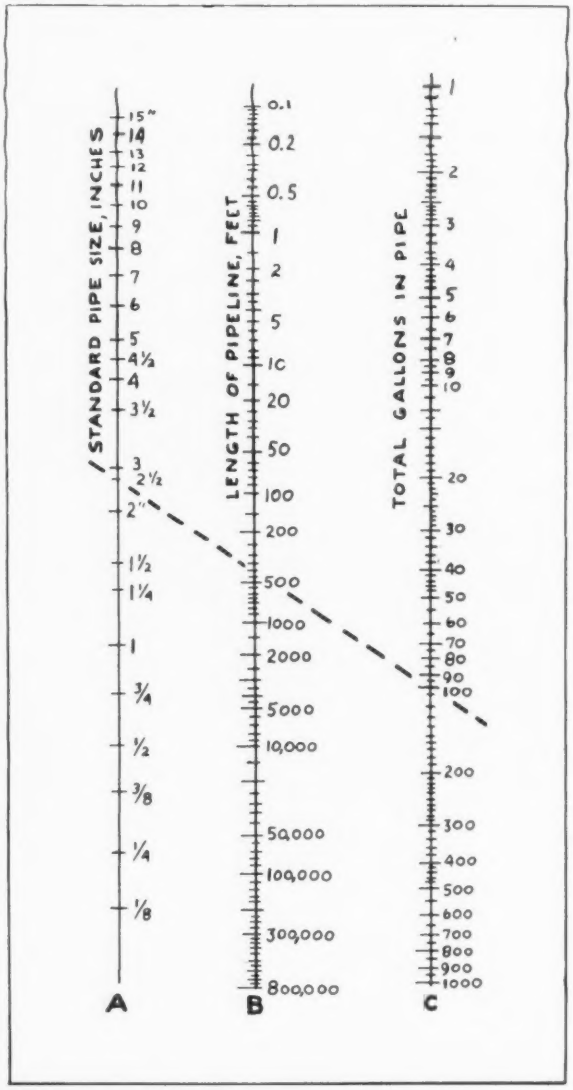
If the efficiency of a present pump is 74 percent and installation of a new pump at 85 percent efficiency is planned, the change will not be worth just 11 percent. Efficiency will improve 13 percent, and it will cost 13 percent less to operate the new pump. For example:

$$0.85 - 0.74 = 0.11$$
$$0.11 \div 0.85 = 0.13$$

The accompanying chart makes it easy to determine increases in efficiency without any longhand figuring. Simply run a straight line through the efficiency of the new pump, column A, and the efficiency of the old pump, column B, and the power saving or improvement in efficiency is given in column C. The dotted line here runs from 85 percent efficiency of the new pump through 74 percent efficiency of the old, and shows in column C that the power saving is 13 percent.



Locating Leaks and Stoppages



This chart provides a handy means of locating leaks or stoppages in concealed pipe. It is based on a standard formula for computing the length of standard pipe knowing the number of gallons of water it holds.

To use this chart simply run a straight line through the pipe size, column A, and the gallons of water in the pipe, column C; the intersection of column B immediately gives the length of the pipe.

To locate concealed leaks, fill the pipe with water until it overflows. Close all valves which hold the water against gravity. Then do nothing for a number of hours, possibly overnight, depending upon the size of the leak and the rate at which the water level in the pipe falls. In other words, allow as much water to leak out as *can* leak out. The water will fall in the pipe, of course, until the level reaches the point of leakage. Refill the pipe with water,

noting the exact amount of water poured into the pipe. Draw a line on the chart from the pipe size, column A, to the total number of gallons poured into the pipe, column C; the intersection in column B is the distance to the point of leakage.

A similar method is often applicable to pipes that are stopped up. You can readily calculate the distance to the point of stoppage.

For example: The dotted line drawn across this chart shows that if the pipe size is 2½ inches, column A, and if 100 gallons of water are poured into the pipe, column C, the trouble is 400 feet away, column B.

Expansion of Pipe

Increase in length inches per 100 feet

Temp. °F	Steel	Wrought Iron	Brass or Copper	Temp. °F	Steel	Wrought Iron	Brass or Copper
20	.15	.15	.25	220	1.80	1.85	2.65
40	.30	.30	.45	240	2.00	2.05	2.90
60	.45	45	.65	260	2.15	2.20	3.15
80	.60	.60	.90	280	2.35	2.40	3.45
100	.75	.80	1.15	300	2.50	2.60	3.75
120	.90	.95	1.40	320	2.70	2.80	4.05
140	1.10	1.15	1.65	340	2.90	3.05	4.35
160	1.25	1.30	1.90	360	3.05	3.25	4.65
180	1.45	1.50	2.15	380	3.25	3.45	4.95
200	1.45	1.65	2.40	400	3.45	3.65	5.25

Allowance for expansion in any given run of pipe is dependent upon the variations in temperature to which the pipe will be subjected. The table gives expansion in inches per 100 feet of different type pipes at various degrees temperature. To compute the amount of expansion to be provided in specific lengths of pipe, read from the table the figure showing maximum expansion for 100 feet at the temperature expected. Divide this figure by 100 to determine the expansion per foot and multiply by the length of pipe under consideration. For example, 80 feet of steel pipe taking water at 180 degrees Fahrenheit will require an allowance of 1.16 inches for expansion (1.45, from the chart, ÷ 100 × 80 = 1.16 inches).

Temperature Scale Conversions

To convert degrees Fahrenheit to degrees Centigrade, subtract 32 degrees and multiply by five-ninths. To convert Centigrade to Fahrenheit, multiply by nine-fifths and add 32 degrees. The table below gives comparative Centigrade and Fahrenheit readings with elimination of the decimals for degrees Centigrade.

	Fahrenheit	Centigrade	
Boiling	212°	100°	Point
	210	99	
	200	93	
	190	88	
	180	82	
	170	76	
	160	71	
	150	65	
	140	60	
	130	54	
	120	49	
	110	43	
	100	38	
	90	32	
	80	27	
	70	21	
	60	16	
	50	10	
	40	4	
	35	2	
Freezing	32	0	Point
	30	− 1	
	25	− 4	
	20	− 7	
	10	−12	
	0	−18	
	−10	−23	
	−25	−32	
	−40	−40	

Useful Information

Discharge of Air Through an Orifice

In cubic feet of free air per minute at standard atmospheric pressure of 14.7 pounds per square inch absolute and 70°F

Gauge Pressure Before Orifice in Pounds Per Sq. In.	Diameter of Orifice in Inches												
	1/64	1/32	1/16	⅛	¼	⅜	½	⅝	¾	⅞	1	1¼	1½
	Discharge in Cubic Feet of Free Air Per Minute												
15	.105	.420	1.68	6.72	26.9	60.5	108	168	242	329	430	672	968
20	.123	.491	1.96	7.86	31.4	70.7	126	196	283	385	503	786	1132
25	.140	.562	2.25	8.98	35.9	80.9	144	225	323	440	575	898	1294
30	.158	.633	2.53	10.1	40.5	91.1	162	253	365	496	648	1013	1458
35	.176	.703	2.81	11.3	45	101	180	281	405	551	720	1125	1620
40	.194	.774	3.10	12.4	49.6	112	198	310	446	607	793	1239	1784
45	.211	.845	3.38	13.5	54.1	122	216	338	487	662	865	1352	1946
50	.229	.916	3.66	14.7	58.6	132	235	366	528	718	938	1466	2111
60	.264	1.06	4.23	16.9	67.6	152	271	423	609	828	1082	1691	2435
70	.300	1.20	4.79	19.2	76.7	173	307	479	690	939	1227	1917	2761
80	.335	1.34	5.36	21.4	85.7	193	343	536	771	1050	1371	2142	3085
90	.370	1.48	5.92	23.7	94.8	213	379	592	853	1161	1516	2369	3411
100	.406	1.62	6.49	26.0	104	234	415	649	934	1272	1661	2595	3737
110	.441	1.76	7.05	28.2	113	254	452	705	1016	1383	1806	2822	4064
120	.476	1.91	7.62	30.5	122	274	488	762	1097	1494	1951	3048	4390
125	.494	1.98	7.90	31.6	126	284	506	790	1138	1549	2023	3161	4552

Source: "Compressed Air Data"

Table is based on 100% coefficient of flow. For well-rounded entrance multiply values by 0.98. For sharp-edged orifices a multiplier of 0.65 may be used for approximate results

Continued on page 80

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Computing Capacities of Tanks and Jars

Square or rectangular

1. To compute cubic contents multiply length by width by depth. For example, the cubic contents of a tank 10 feet long, 6 feet wide and 4 feet deep is 240 cubic feet.
2. Since 1 cubic foot equals 7½ gallons, the tank above would hold 1,800 gallons. (7½ × 240 = 1,800 gallons.)

Cylindrical or round

1. Square the diameter and multiply by .7854. Then multiply by the length or depth to obtain cubic contents. Capacity of a cylindrical tank 4 feet in diameter and 6 feet in length is 75.3984 cubic feet. (4 × 4 × .7854 × 6 = 75.3984 cubic feet.)
2. With 7½ gallons per cubic foot the tank would hold 565.49 gallons.

Note: When dimensions include both feet and inches or inches alone reduce all to feet or to inches before multiplying. If measurements are all in inches, the answer will be cubic inches. To reduce cubic feet to cubic inches multiply by 1728. (1728 cubic inches = 1 cubic foot.)

Conversion Ratios

1 gallon of water weighs 8.34 pounds.
1 gallon of water contains 231 cubic inches.
1 cubic foot of water equals 7.5 gallons.
1 cubic foot of water weighs 62.5 pounds.
1 horsepower equals 746 watts or .746 kilowatt.
1 kilowatt equals 1,000 watts.
1 boiler horsepower equals 34.6 pounds of water evaporated per hour from and at 212 degrees Fahrenheit; approximately 33,500 British thermal units.
1 British thermal unit equals the average amount of heat per degree Fahrenheit required to raise the temperature of one pound of water from 32 degrees Fahrenheit to 212 degrees Fahrenheit.

	Multiplied by	Equals
Diameter of circle	3.1416	Circumference of circle
Diameter of circle squared	.7854	Area of circle
Gallons of water	.1377	Cubic feet
Cubic feet of water	62.5	Pounds of water
Gallons of water	8.34	Pounds of water
Feet head of water	.433	Pounds of pressure
Pounds pressure of water	2.91	Feet head
Boiler horsepower	.069	Gallons feed water required per minute
Pounds pressure (brine)	1.92	Feet head
Feet head (gasoline sp. gr. .75)	.325	Pounds pressure
Pounds pressure (gasoline)	3.08	Feet head
Inches vacuum	1.132	Feet head
Feet suction lift	.882	Inches vacuum

Rules for Belts and Pulleys

To Find Lengths of Belts: Add the diameter of the two pulleys together, multiply by 3⅛ and divide the product by two. Add twice the distance between the center of the shafts to the quotient and that will be the length required.

To Calculate Power of Belts: The horsepower of any belt equals its velocity in feet per minute multiplied by its width and divided by 1,000 for single and 700 for double belts. One-inch single belt, velocity 1,000 feet per minute, equals one horsepower. One-inch double belt, velocity 700 feet per minute, equals one horsepower.

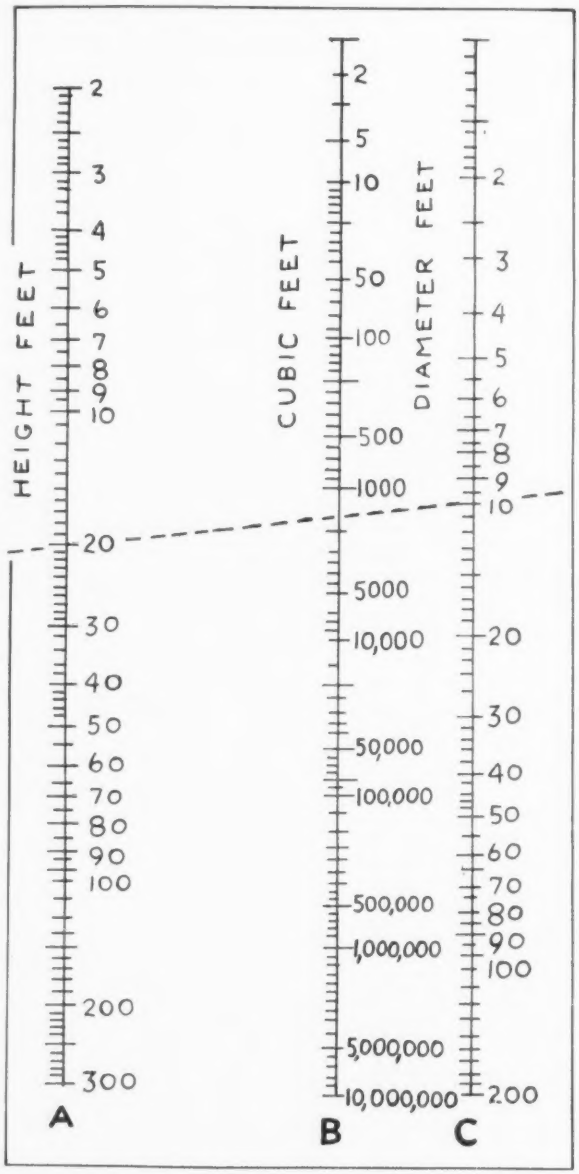
To Find Diameter of Driving Pulley: Multiply the diameter of the driven pulley by the number of revolutions per minute and divide by the number of revolutions of the driver. The quotient will be the diameter of the driver.

To Find Speed of Driving Pulley: Multiply the diameter of the driven pulley by its revolutions per minute and divide by the diameter of the driver. The quotient will be the number of revolutions of the driver.

To Find Diameter of Driven Pulley: Multiply the diameter of the driver by its number of revolutions per minute and divide by the number of revolutions of the driven pulley. The quotient will be the diameter of the driven pulley.

To Find Speed of Driven Pulley: Multiply the diameter of the driver by its number of revolutions per minute and divide by the diameter of the driven pulley. The quotient will be the number of revolutions of the driven pulley.

Computing Cubic Feet in Tanks



Draw a line across the chart connecting the height of the tank with its diameter. The intersection of this line with column B gives the capacity in cubic feet without further calculations.

For example: A tank 20 feet high, column A, and 10 feet in diameter, column C, is indicated to have a capacity of a little over 1,500 cubic feet, column B.

Power Plant

Power Plant Requirements

Whether planning expansion of an existing laundry plant or building from the ground up, some method must be used for arriving at an accurate estimate of probable power requirements. The electricity, steam and air used by every item of equipment must be taken into consideration. Mistakes in calculating power demands on boilers, engines, generators, air compressors, etc., can result in excessive investment and operating cost.

A reasonably accurate approximation of plant power requirements can be made as follows:

Steam: In most laundries the largest single item of steam demand is water heating. Ordinarily the heating of water requires about two-thirds of the boiler output with the remaining one-third going to other plant equipment. When calculating the amount of steam that must be available for heating water it is advisable to use the figure representing the maximum hourly hot water consumption. It has been found in actual practice that the total water consumption in the average plant is about 4½ gallons per pound of clothes.

The total steam requirement for a plant is found by obtaining the sum of the steam required for processing equipment, steam needed for heating water, and steam required to operate the engine. To the sum thus obtained it is advisable to add 10 percent to allow for unavoidable losses.

Electricity: The average electrical load for a plant is estimated by taking 60 percent of the sum of the rated horsepower of all motors in the plant. The maximum electrical load is estimated by taking 80 percent of the total rated motor horsepower.

Air: Compressed air required is determined by obtaining the sum of the compressed air requirements of all the machines in the plant.

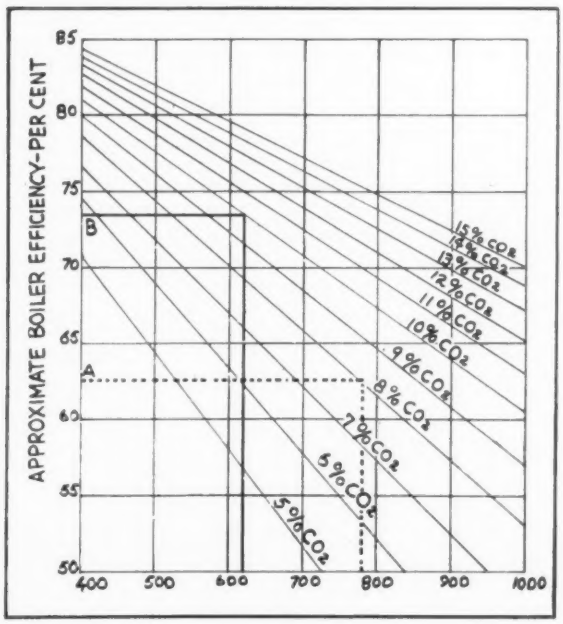
Source: AIL

Boiler Efficiency

The operator of the average small plant doesn't have the time or money or, in most cases, the know-how to run a series of elaborate tests and go through cumbersome tables to check on his boiler efficiency. He can and should, however, see to it that routine tests are made.

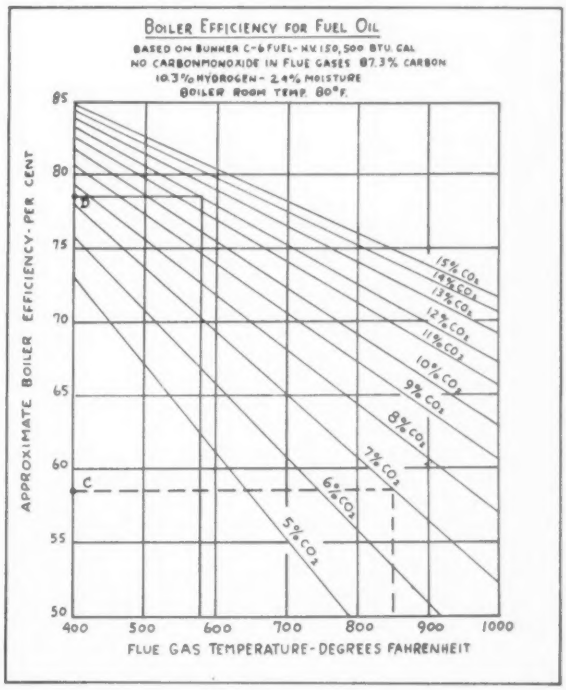
The two principal indications of boiler efficiency are carbon dioxide (CO_2) content and temperature of the flue gas. Generally speaking, the higher the CO_2 content and the lower the flue gas temperature, the more efficient the boiler. Optimum CO_2 content varies with the fuel, but it averages around 15 percent for coal and oil. With natural gas, 10 to 12 percent would be tops. Only in rare cases can the optimum be achieved at all times. If your boiler, firing coal or

Boiler Efficiency Chart for Soft Coal



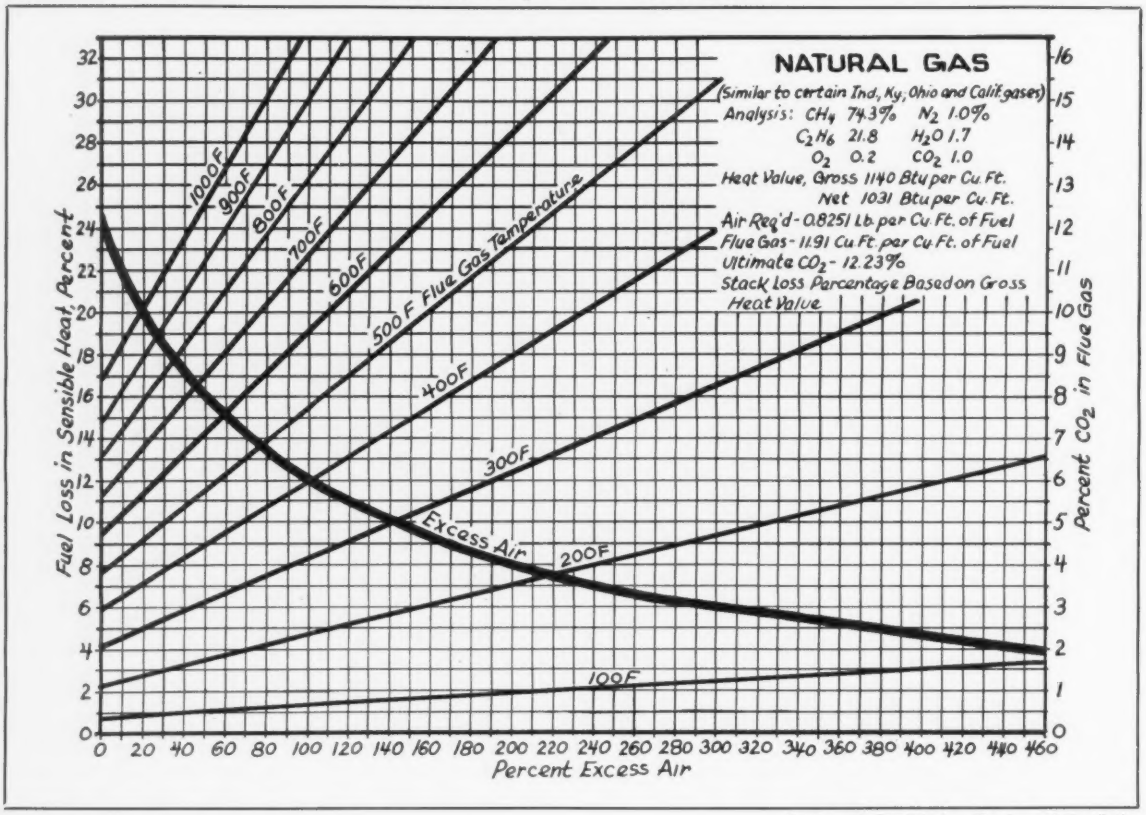
Based on flue gas temperature and CO_2 content, the chart provides an approximate efficiency rating for coal-fired boilers. To compute the efficiency of an installation with a flue temperature of 620 degrees and CO_2 content of 10 percent, trace up from the 620 point at the bottom of chart to the diagonal line representing 10 percent; intersection gives approximate boiler efficiency rating of 73.5 percent

Boiler Efficiency Chart for Fuel Oil



Flue gas temperature and CO_2 content known, find flue gas temperature on lower scale and follow up to diagonal line designating CO_2 percentage; point of intersection at left gives approximate boiler efficiency. Dotted line "C" illustrates that boiler with flue temperature of 850 degrees and 7 percent CO_2 content will have efficiency of approximately 58.5 percent. Lowering temperature to 580 degrees and increasing CO_2 to 12 percent would bring boiler efficiency up to 78.5 percent as shown by solid line "D"

Boiler Efficiency Chart for Natural Gas



Source: Air Conditioning, Heating and Ventilating

In this chart, fuel loss in sensible heat percent may be interpreted as boiler efficiency. Zero fuel loss would be equivalent to 100 percent efficiency; 10 percent fuel loss to 90 percent efficiency, and so on. Assuming that CO_2 and flue gas temperature are known, read across from right on CO_2 line to intersection of excess air curve. From intersection read straight up or down to intersection of flue gas temperature line. This point, carried straight across to fuel loss axis, indicates fuel loss. Assume that CO_2 percent is 6 and flue gas is 600° F. Reading from right on 6, line intersects excess air curve at about 105. Then, reading straight up to 600° F line, we get a fuel loss of approximately 19.5 percent

oil, operates with an 11 percent CO_2 and a flue gas or stack temperature of 450 to 600° F, it will be operating at better than 75 percent efficiency.

To obtain these readings, two instruments are required. An Orsat analyzer indicates CO_2, carbon monoxide and oxygen content of the flue gas. Simpler types of Orsats measure only CO_2. The other instrument is a flue gas thermometer with a range of 400 to 1000° F. The readings should be taken when the boiler is carrying its heaviest load.

In many cases a local plumber or heating-installation man is equipped to take the required readings. Once the readings are obtained, it is merely a matter of adjusting the firing controls to gain maximum efficiency. It goes without saying that the boiler must be kept clean at all times.

The procedure outlined above should be a part of regular plant maintenance and should be checked at least once a month. A more complete checkup involving such factors as excess air and carbon monoxide should be attended to once a year.

The charts above and on the preceding page may be used to compute boiler efficiency, given CO_2 content and flue gas temperature.

Table of Stack Proportions

Boiler Hp.	Size of Stack: Hand-Fired Diameter	Hand-Fired Height	Stoker-Fired Diameter	Stoker-Fired Height	Oil-Fired Diameter	Oil-Fired Height	Cubic Feet of Combustion Chamber: Hand Firing 65% Eff.	Stoker Firing 70% Eff.	Oil Firing 75% Eff.
50	24"	50'	21"	50'	18"	60'	57.5	55	77
100	30"	70'	27"	60'	24"	60'	115	110	154
150	36"	70'	30"	70'	24"	90'	172.5	165	231
200	42"	70'	36"	60'	30"	80'	230	220	308
300	48"	80'	42"	70'	36"	80'	345	330	462
500	54"	125'	48"	100'	42"	90'	575	550	770
1000	72"	150'	66"	100'	54"	100'	1150	1060	1540

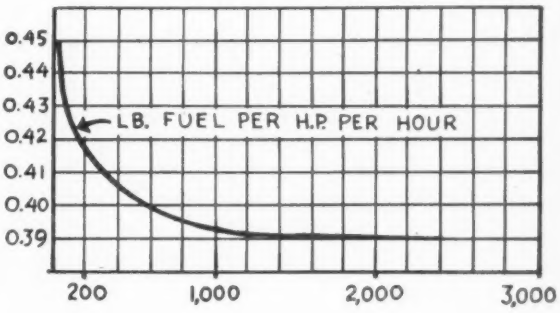
Diesel Fuel Consumption

The accompanying chart plots approximate fuel consumption of various diesels, based on prewar diesel efficiencies.

For instance, if requirements are very small—50 horsepower or even less—figure on a fuel consumption of 0.45 pounds per horsepower per hour with a modern engine. If a 100 hp. diesel is employed, the consumption will be about 0.42 pounds per horsepower per hour. The curve shows that with increase in engine size the fuel consumption improves rapidly from the smallest sizes to 200 horsepower. From 200 to 1,000 horsepower the improvement is less rapid. And from 1,000 to 3,000 horsepower the improvement is very slight; it is practically 0.39 pounds per horsepower per hour for all of the sizes in that range.

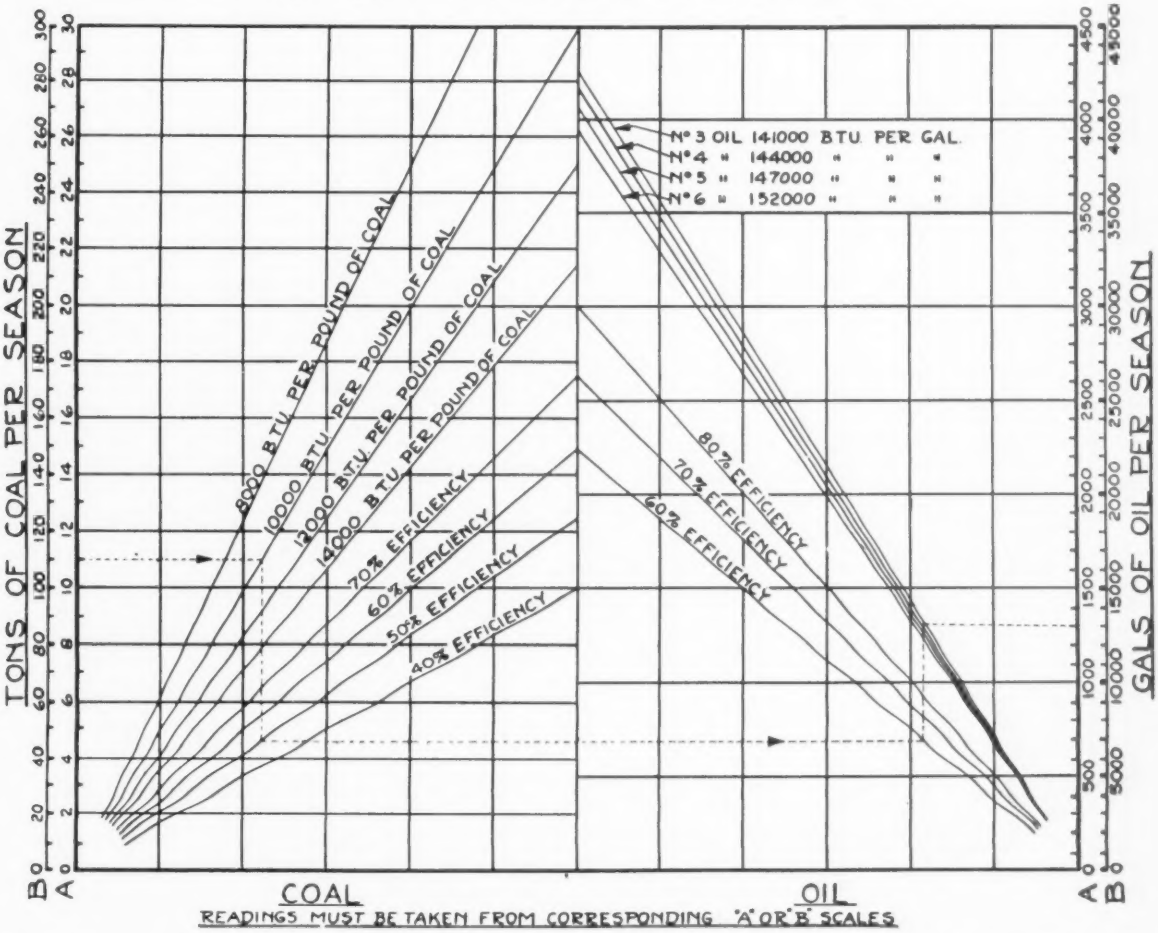
To determine the efficiency of any engine size, with any fuel, multiply the B.t.u. value of the fuel per pound by the number of pounds per horsepower per hour and divide the product *into* 2,546.

For example, if the fuel contains 20,000 B.t.u. per pound and requirements call for a 500 hp. engine, multiply 20,000 by (from the chart) 0.40, which gives 8,000 as the product. Now divide 2,546 by 8,000 and it will be found that the engine will have an efficiency of 31.8 percent, which is a high efficiency as compared with most engines of other



types. This means that 31.8 percent of the heat contained in the fuel will be converted into work. Even at 0.45 pounds of fuel per horsepower per hour, other conditions being the same, efficiency will be 28.3 percent.

Computing Oil Consumption When Coal Consumption Is Known



When coal consumption is known, this chart permits ready estimation of comparative gallons of oil required. Locate coal consumption on left-hand A or B scale, read right to the heat content, down to the efficiency curve. From this point trace horizontally right to the assumed oil efficiency, up to the grade of oil assumed, then right to the corresponding A or B scale for oil and read to the comparative oil consumption. As illustrated in the dotted lines above, if a plant burns 110 tons of 10,000 B.t.u. coal at an efficiency of 50 percent, a comparative oil burning installation using No. 4 oil at 60 percent efficiency will require 13,000 gallons of oil for the same period. The chart may be used in reverse when oil consumption is known to estimate comparative tons of coal needed for a like period of time

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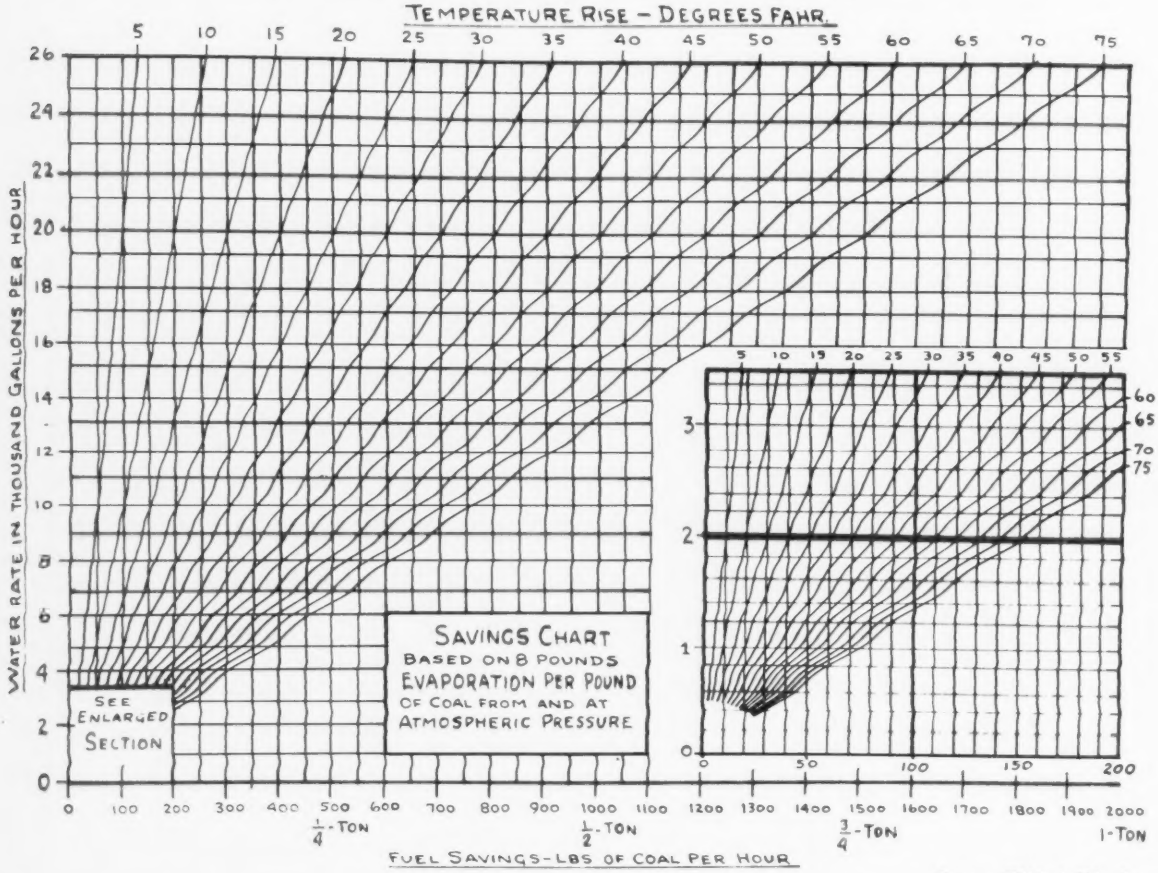
Fuel Savings Produced by Waste-Water Heat Exchangers

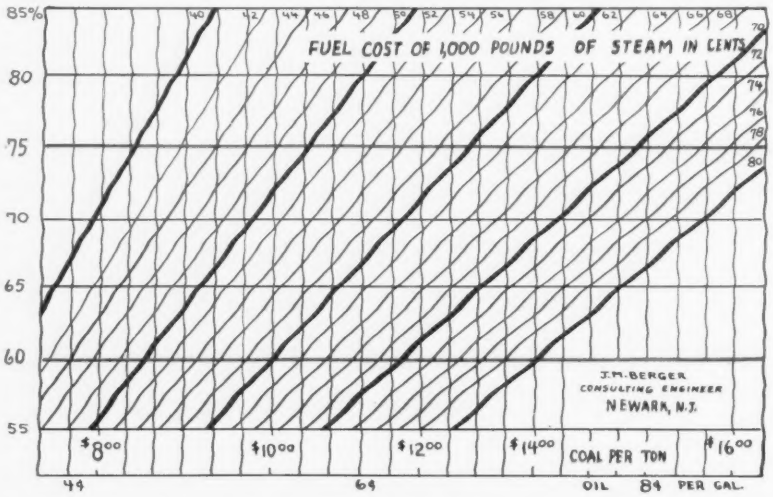


Source: Whitlock Mfg. Co.

The graph plots fuel savings in pounds of coal per hour for waste-water heat exchangers operating at various capacities and producing various degrees of temperature rise. From the water rate in thousands of gallons per hour at the left of the chart, read right to the slanting line marking the number of degrees temperature rise produced; read down to the bottom of the scale to find the approximate pounds of coal saved under the conditions assumed. For example, waste-water heat exchanger taking 8,000 gallons of water an hour and raising the temperature 50 degrees F will save 400 pounds of coal per hour under the conditions above. These figures are based on an assumption of 8 pounds of water evaporated per hour per pound of coal; if the B.t.u. content of the fuel or the efficiency of the boiler produces a higher evaporation rate, the saving in actual pounds of coal using the heat exchanger will be proportionally less

Steam Cost Chart

Chart indicates the cost of steam at varying prices for coal and oil with different over-all operating efficiencies. From cost of oil or coal at the bottom of chart trace up to point of assumed boiler efficiency on the scale at the left. The point of intersection on the slanting line will show fuel costs per 1,000 pounds of steam and can be read to nearest cent or to a tenth of a cent by proportion. For example, a laundry using No. 6 Bunker C oil selling at 5.2 cents per gallon with a boiler of 65 percent efficiency will be paying 53.4 cents per 1,000 pounds of steam. Improving the boiler efficiency to 75 percent will cut steam cost to 46 cents, resulting in a saving of 7.4 cents per 1,000 pounds. Or a 70 percent efficient boiler burning 14,000 B.t.u. coal selling at $10 per ton will deliver 1,000 pounds of steam at 51 cents per 1,000 pounds. This chart may be used in plotting the comparative costs of coal and oil or for figuring possible savings from stokers and combustion controls. If fuel costs go higher than shown on chart use one half fuel cost and multiply resulting cost of steam by 2



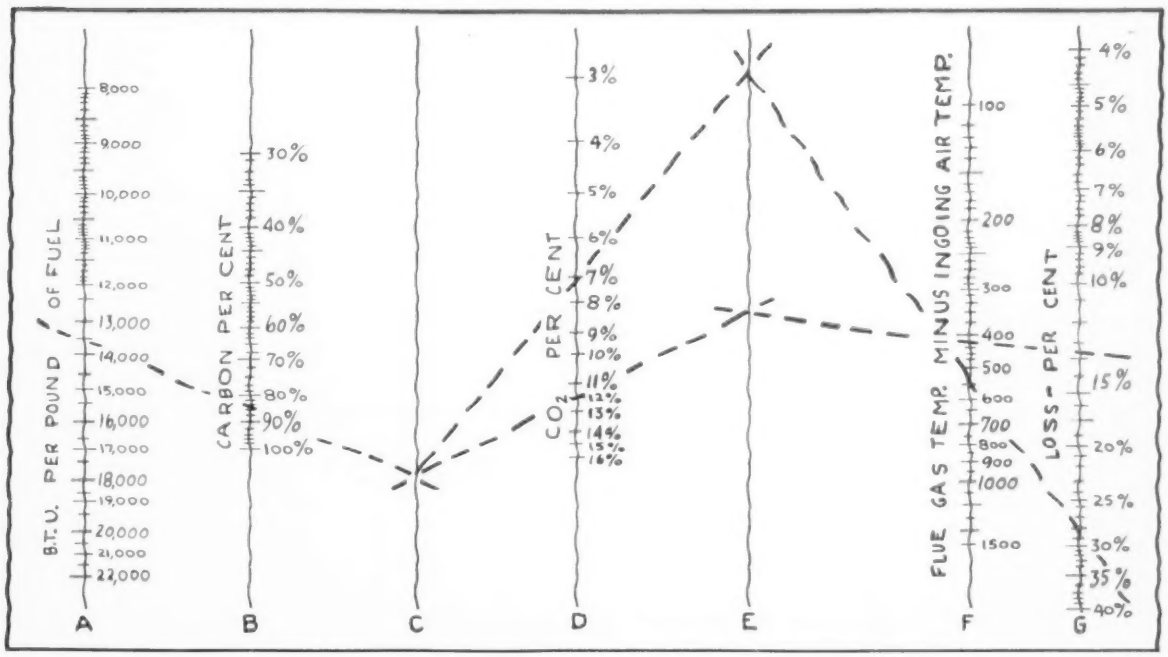
Based on 14,000 B.t.u. per pound of coal and 150,000 B.t.u. per gallon of oil, steam pressure 105 pounds gauge, moisture 2%, feed water 205° F

Internal Boiler Treatment Chemicals for Scale Prevention

Name	Formula	Use	Advantage	Disadvantage
Sodium Hydroxide (Caustic Soda)	$NaOH$	To establish alkalinity. To precipitate magnesium.	Contains no carbonate therefore does not favor formation of $CaCO_3$ scale.	Removes only magnesium hardness. Alkalinity must be carefully controlled.
Sodium Carbonate (Soda Ash)	Na_2CO_3	To establish alkalinity. To precipitate hardness.	Low cost. More easily handled than caustic soda. See "Tannin."	$CaCO_3$ forms scale. Na_2CO_3 breaks down releasing CO_2 with steam. Develops alkalinity. Must be controlled like caustic.
Sodium Silicate (Water Glass)	Na_2SiO_3	"Boiler metal coating."	None	Will actually form scale.
Sodium Aluminate	$Na_2Al_2O_4$	Precipitates calcium and magnesium.	None	High alkalinity. Analcite type scale.
Sodium Phosphate	NaH_2PO_4 Na_2HPO_4 Na_3PO_4 $NaPO_3$	To precipitate calcium.	Calcium phosphate is least adherent of crystalline precipitates.	Finely divided $Ca_3(PO_4)_2$ favors carryover. If fed continuously will cause feed-line deposits.
Tannins and Lignins	Organics of varying constitution	Prevent feed-line deposits. To coat scale crystals to prevent adherence.	Used with soda ash and the phospates in carbonate-organic treatment, or phosphate-organic treatment.	No control. Inert with respect to hardness removal. Breakdown under heat.
Starch	$(C_6H_{10}O_5)x$	ditto	Some slight success due to slimy coating.	ditto
Reactive Colloids	High molecular weight organic complexes. Sodium mannuronate	To provide fluid sludge. To minimize carryover.	Actual reaction with calcium and magnesium. Marked adsorption effect on crystalline precipitates.	No direct control.

Source: W. H. Betz and L. D. Betz

Computing Heat Loss in Flue



Using this chart to compute heat loss in the flue, zigzag a ruler through the columns from left to right, as shown by the dotted lines.

For example, the heat value of coal used in a certain plant is 13,500 B.t.u. per pound; 85 percent of the coal is carbon; the flue gas contains 7 percent CO_2; the flue gas temperature is 600 degrees F, and the temperature of the air entering the furnace is 75 degrees F. What is the heat loss up the chimney due to low CO_2 and the temperature rise of (600 degrees minus 75 degrees) 525 degrees F?

Applying the chart, the dotted lines show the solution of the problem as follows: Run a straight line through the 13,500 B.t.u., column A, and the 85 percent carbon, column B, and locate the intersection in column C. Then run a line through that point in column C and the 7 percent CO_2 in column D, locating a point in column E. Trace a line through that point in column E and the 525-degree difference, column F, and the intersection with column G shows the fuel loss to be 27.7 percent.

Assume furnace conditions are improved to the extent

that CO_2 becomes 12 percent and flue gas temperature is reduced to 500 degrees F. The temperature of the air entering the furnace is still 75 degrees F, hence the "difference," column F, is 425 degrees.

Applying the chart, the same point in column C is located as already indicated. Then run a straight line through that point and the 12 percent CO_2 in column D, locating a new point in column E. Then from this latter point run through the 425 degrees in column F and the fuel loss, as indicated in column G, is found to be 13.7 percent.

Obviously now, the saving in fuel due to improvement in conditions is the difference between the two losses as computed above: 27.7 percent minus 13.7 percent = 14 percent saving.

Storage Heater Requirements

Number Washers		General Laundry			Wet and Family			Flatwork Laundry		
		Gallons Per Hour	Engine Horsepower	Storage Size (Gallons)	Gallons Per Hour	Engine Horsepower	Storage Size (Gallons)	Gallons Per Hour	Engine Horsepower	Storage Size (Gallons)
1	Small	75	3	100	100	4	100	150	6	100
	Medium	100		150	150		150	250		150
	Big	140	5	200	210	6	175	350	8	175
2	Small	150	5	150	200	6	150	300	8	150
	Medium	200		200	300		175	500		175
	Big	280	8	250	420	9	200	700	11	200
3	Small	225	8	250	300	9	200	450	10	200
	Medium	300		300	450		250	750		250
	Big	420	12	400	630	11	300	1050	13	300
4	Small	300	9	300	375	11	250	575	12	250
	Medium	400		400	575		300	950		300
	Big	550	15	500	800	14	400	1350	16	400
5	Small	350	12	400	450	12	300	700	14	300
	Medium	475		500	700		400	1150		400
	Big	675	20	600	970	16	500	1650	20	500
6	Small	400	18	500	525	15	400	825	16	400
	Medium	550		600	825		500	1350		500
	Big	775	25	700	1140	20	600	1950	23	600
7	Small	450	20	600	600	16	500	950	18	500
	Medium	625		700	950		600	1550		575
	Big	900	30	800	1300	20	700	2250	25	650
8	Small	500	25	700	675	18	600	1075	20	575
	Medium	700		800	950		700	1750		650
	Big	1015	35	900	1450	25	800	2525	28	725
9	Small	550	30	800	750	20	700	1200	25	650
	Medium	775		900	1075		800	1950		725
	Big	1125	38	1000	1600	28	900	2800	33	800
10	Small	600	35	1000	850	25	800	1325	27	725
	Medium	850		1100	1200		900	2150		800
	Big	1240	45	1200	1750	33	1000	3075	37	875
11	Small	650	40	1100	925	28	900	1450	30	800
	Medium	925		1200	1325		1000	2350		875
	Big	1350	50	1300	1900	35	1100	3350	40	950
12	Small	700	45	1300	1000	30	1000	1575	35	870
	Medium	1000		1400	1450		1100	2550		950
	Big	1460	60	1500	2050	38	1200	3600	45	1025

Source: Whitlock Mfg. Co.

Although no definite rule can be applied to the selection of the proper storage heater to cover conditions in every laundry, this table indicates requirements usually applicable to various types and sizes of plants. Output in gallons per hour is figured for a temperature increase of from 40 degrees to 180 degrees Fahrenheit. Heating to 160 degrees, it is possible to obtain one-fifth more water with the same engine and heating unit.

In those plants where a preheater is used and water comes to the storage heater at temperatures well above 40 degrees, proper allowance must be made in the size of heater selected.

Steam-Line Sizes

Number of Presses	Size Steam Line
1-2	½ inch
3-4	¾ inch
5-6	1 inch
6-10	1¼ inches
10-14	1½ inches
14-25	2 inches

Steam Temperatures at Various Pressures

Lb. Pressure Per Sq. In.	Temperature °F*	Lb. Pressure Per Sq. In.	Temperature °F*
0#	212°	65#	312°
5	227	70	316
10	239	75	320
15	250	80	324
20	259	85	328
25	267	90	331
30	274	95	335
35	281	100	338
40	287	105	341
45	292	110	345
50	298	115	348
55	303	120	351
60	307	125	353

* Fractional temperatures to nearest integer.

Water boils at 212 degrees Fahrenheit or 100 degrees Centigrade. As the steam begins to form in a closed container the pressure rises and the temperature of the steam increases. Temperature of saturated steam varies directly

with the pressure in the boiler. A press taking steam at 100 lb. pressure will yield a surface temperature of 338 degrees Fahrenheit.

Steam Leaks Are Expensive

Size of Orifice	Lb. Steam Wasted Per Month	Total Cost Per Month	Total Cost Per Year
1/2"	835,000	$835.00	$10,000.00
3/8"	470,000	470.00	5,640.00
1/4"	210,000	210.00	2,520.00
1/8"	52,500	52.50	630.00
1/16"	13,200	13.20	158.40
1/32"	3,400	3.40	40.80

Source: Armstrong Machine Works

The table shows the cost of various sized steam leaks at 100-pound pressure—estimating steam costs conservatively at $1 per 1,000 pounds. For steam at 50 pounds pressure waste is about 75 percent of the above figure; at 20 pounds it is about 50 percent; at 5 pounds, the loss is about 25 percent.

Steam-Line Suggestions

Choose pipe sizes large enough to provide for future expansion. It is more economical to select a somewhat oversized supply or return line from the start than to replace or supplement it at a later date.

Use a separate line for low-pressure returns. If both high- and low-pressure traps discharge to a common return, back pressure from the high-pressure units may interfere with drainage from the low-pressure units.

Pitch return lines down. If the condensate must be elevated, then do one of the following:

1. Install an overhead return line where practical and where the lift, in feet, plus back pressure, is not greater than 25 percent of the initial steam pressure.

2. Install a floor-line return header pitching down to a lift fitting or water seal from which the condensate can be elevated vertically. For moderate lifts, back pressure caused by flash steam from trap discharge will elevate the condensate.

3. Where condensate must be moved against excessive pressures caused by extra-high lifts or undersized return lines, have condensate drain to receiver from which it can be pumped. Back pressure caused by flash steam will assist in the pumping action.

Trap capacity is reduced 10 percent if back pressure is 19 percent of initial pressure. The loss is 50 percent if back pressure reaches 75 percent of initial pressure. If high back pressure cannot be relieved, select traps on the basis of pressure differential rather than maximum steam pressure.

Sizes for Boiler Combustion Chambers

Method of Firing	B.t.u. Per Cubic Foot	Approximate Cubic Feet Required Per Hp.
Hand	50,000	1 1/10 cubic feet
Stoker	45,000	1 cubic foot
Oil	30,000	1 1/2 cubic feet
Pulverized Coal	20,000	2 1/4 cubic feet
Gas	30-35,000	1 1/2 cubic feet

In computing cubic contents of combustion chambers measure the depth to bridgewall for underfeed stoker and hand firing; the entire depth for pulverized coal, oil or gas firing and for spreaders or overfeed stokers. Width times height times depth will give the cubic contents. From the table, an oil-fired installation requires 1½ cubic feet of combustion chamber per horsepower, thus a 50 hp. boiler should have about 75 cubic feet of combustion chamber.

Flexible Metal Hose—Lengths and Minimum Bending Distances

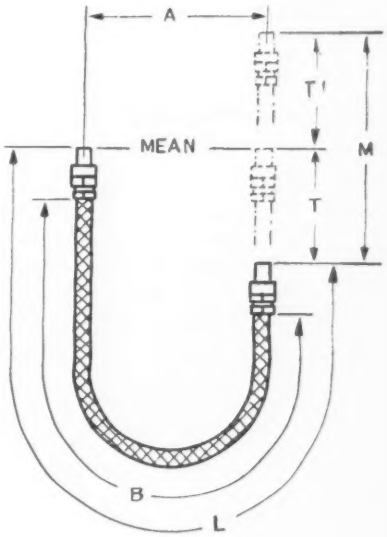
Length of hose includes three factors: Bending Distance A, Travel of Hose M (T+T') and Coupling Factor C. With installation at minimum bending distance A and no travel, take length L from table. For hose subject to travel and installed at distance A, take L from table and add one-half travel when T and T' are equal; when they are not, add the larger. To calculate hose length independently, use following formulas:

Hose I. D. ¼" to 2": Length = 2½ A + C + T (use T or T' whichever is greater)

Hose I. D. 2½" to 6": Length L = 1¾ A + C (no travel)

HOSE I.D.	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"	1-1/4"
A	8"	10"	12"	16"	18"	20"	24"	26"
B	20"	24"	30"	38"	44"	50"	56"	62"
C	4-1/2"	5"	5-1/2"	6"	7"	7-1/2"	8"	8"
L	25"	29"	36"	44"	51"	58"	64"	70"

HOSE I.D.	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"
A	28"	30"	64"	72"	78"	84"	108"	120"
B	68"	72"	9' 6"	10' 4"	11'4"	12' 6"	18 FT.	18 FT.
C	9"	9"	9"	11"	-	-	-	-
L	77"	81"	10 FT.	11' 6"	-	-	-	-



Source: Packless Metal Products Corp.

Continued on page 88

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Table of Factors

For Determining Trap Capacities at Reduced Pressures

Minimum Operating Pressure	Maximum Operating Pressure																	
	5#	10#	15#	20#	30#	40#	50#	60#	70#	80#	90#	100#	125#	150#	200#	225#	250#	300#
1/10 lb.	.14	.10	.09	.08	.07	.06	.05	.05	.05	.04	.04	.04	.04	.04	.03	.03	.03	.03
1/4 lb.	.22	.16	.14	.12	.10	.09	.08	.07	.07	.07	.06	.06	.06	.05	.05	.04	.04	.04
1/2 lb.	.32	.22	.19	.17	.14	.12	.11	.10	.09	.09	.08	.08	.07	.07	.06	.06	.05	.05
1 lb.	.45	.32	.26	.23	.19	.17	.15	.14	.13	.12	.11	.11	.10	.10	.09	.08	.08	.08
2 lb.	.63	.45	.36	.33	.27	.23	.20	.19	.18	.17	.16	.16	.15	.13	.12	.11	.11	.11
3 lb.	.78	.55	.45	.40	.33	.29	.27	.24	.23	.21	.20	.19	.18	.16	.15	.14	.13	.13
4 lb.	.89	.64	.52	.46	.38	.33	.30	.27	.26	.24	.23	.23	.20	.19	.17	.16	.15	.15
5 lb.	1.00	.71	.58	.52	.43	.37	.34	.31	.29	.27	.26	.25	.23	.21	.19	.18	.18	.16
10 lb.		1.00	.82	.72	.61	.52	.48	.44	.41	.39	.37	.36	.32	.30	.27	.26	.25	.23
15 lb.			1.00	.85	.73	.62	.59	.56	.51	.48	.45	.43	.39	.36	.32	.30	.29	.27
20 lb.				1.00	.83	.73	.66	.61	.58	.55	.51	.49	.44	.42	.36	.34	.33	.31
25 lb.					.91	.80	.73	.69	.65	.61	.55	.53	.47	.46	.40	.38	.37	.34
30 lb.					1.00	.88	.79	.75	.70	.66	.60	.59	.54	.50	.45	.42	.41	.38
40 lb.						1.00	.90	.84	.80	.76	.69	.67	.61	.57	.50	.48	.46	.43
50 lb.							1.00	.93	.89	.84	.78	.75	.68	.63	.56	.53	.51	.48
60 lb.								1.00	.93	.88	.83	.80	.73	.68	.60	.57	.55	.52
70 lb.									1.00	.94	.89	.85	.78	.73	.64	.61	.59	.55
80 lb.										1.00	.95	.91	.82	.75	.68	.66	.63	.59
90 lb.											1.00	.95	.87	.81	.71	.68	.66	.61
100 lb.												1.00	.91	.85	.75	.73	.70	.64
125 lb.													1.00	.93	.83	.80	.75	.71
150 lb.														1.00	.89	.86	.80	.75
175 lb.															.94	.92	.87	.81
200 lb.															1.00	.96	.90	.85
225 lb.																1.00	.97	.90
250 lb.																	1.00	.93

Although a steam trap will operate at pressures below those for which it is designed, the capacity decreases with the fall in pressure. The table above gives correction factors for determining trap capacities at reduced pressures. Locate the normal operating pressure in the top line; follow down this column to the reduced pressure desired. The point of intersection shows the correction factors; multiply the normal trap capacity by the correction factor, and the product is the trap capacity under the reduced pressure. For example, if a trap designed for 225 pounds pressure delivers 1800 pounds of condensate per hour at maximum operating pressure, at 70 pounds pressure the capacity will be 1800 × .61 (correction factor in this case) = 1098 pounds of condensate per hour at the reduced pressure. Excess condensate in heated equipment lowers the temperature.

Fur Section

Fur Conditioning

Precleaning

All coats accepted for fur cleaning should be closely inspected for rips, tears, and fragile or worn pelts. Any torn or worn seams should be repaired at this point of the operation. Take out any loose linings to prevent the cleaning compound from working under them. Moth damage, shedding or cracked hairs, and fugitive dyes (such as are sometimes found on blue and platinum fox) must be reckoned with during this first operation.

After inspection, each coat should be beaten and shaken to remove loose dust and hair, moths and larvae, as well as to fluff up the matted hair. This operation economizes on the cleaning compound because there is less loose dirt left in the coat for it to absorb. It also cuts down drumming time. Beating may be quickly accomplished in a vibrating chamber.

Sponge the lining of the garment with a cleaning solvent. This solvent must have properties that remove dirt, grease and most ordinary spots. Pour 1 pint into a shallow pan and then apply to the lining and rub vigorously with a sponge or brush. Where you have a concentration of dirt, wet down generously with solvent and then use a brush to work this dirt loose. About 3 or 4 percent of all linings are badly soiled and will have to be removed and drycleaned.

Drumming and caging

Put 1 to 5 pounds of absorbent into the drum for each coat to be cleaned. Also add 1 pint of cleaning solvent and one-half pint of water-base cleaning fluid for each coat. Absorbent materials and cleaning fluids should be completely mixed before coats are placed in drum. Place coats in drum and revolve for approximately one-half hour. This time may vary, depending on the coat's fragility.

After drumming, garments are placed in the cage and tumbled an average of 45 minutes. After caging, the garments are placed in the suction chamber of the vibrating table to remove any excess absorbent material. The garment is then placed on a worktable and both the lining and fur are blown with compressed air. If cleaning material has worked under the lining, open the seams and blow it out, but to avoid excess labor, keep seam ripping to a minimum. Use a mechanical beater in conjunction with compressed air to remove lint from curly fur such as Persian lamb.

Glazing Chart

Fur	Rotary Iron	Steam Iron
Beaver	•	
Caracul		
Civet Cat	•	•
Coney	•	•
Ermine		•
Fitch	•	•
Fox		•
Guanaco	•	
Lamb, Persian		
Leopard	•	
Mink	•	•
Mink, Jap	•	•
Mink, Side	•	•
Mouton	•	
Muskrat	•	•
Nutria	•	
Ocelot	•	
Opossum, American	•	•
Opossum, Australian	•	
Otter, Plucked	•	
Persian Paw		
Raccoon	•	•
Raccoon, Sheared	•	
Seal, Alaska	•	
Seal, Hair	•	
Seal, Hudson	•	
Seal, Northern	•	
Seal, Tropical		
Skunk	•	•
Squirrel	•	•
Wolf	•	•
Wolverine	•	•

Source—Walter Haertel Co.

Capacities of Fumigation Cabinets

Inside Area (Cubic Feet)	Capacity (Number Fur Coats)
141	40
219	70
297	100
375	130
453	160
531	190
639	220
717	250

Humidity in storage vaults

When there is a relative humidity of 65 percent or more in a storage vault, every article in the vault is in danger of being ruined by mildew. Mildew will grow in furs, rugs, and all cloth garments. Humidity of 52-53 percent is plenty for most situations. It is not generally known, but excessive humidity can spoil the fit of a fur coat, even if there is not sufficient humidity to cause mildew to grow. When humidity reaches a certain maximum, skins become soft and pliable and subject to stretching at the shoulders.

Glazing

Fur glazing is to fur cleaning what pressing is to dry-cleaning. A fur garment may be cleaned thoroughly, and yet will not look good until it has been glazed. Glazing may be accomplished either through the use of solutions or through mechanical means. Solutions used include potassium permanganate, Chinese elm bark soakings, alcohol, plain water, etc.

In recent years the use of steam irons, steam guns, and rotary irons has become popular for this purpose, and usually they do an excellent job with minimum labor. The method used, of course, must be suited to the particular fur being glazed. The steam-iron method is limited to certain types, such as muskrat, mink and coney. Beaver or mouton types and curly furs should not be steamed. The rotary iron is a grooved, revolving, heated iron which, when properly applied to fur, will straighten out the hair and produce a high sheen and silkiness.

Fur Cleaning Classification

Fur	Drumming Time	Caging Time
WATER RODENTS		
Beaver	1 hour	1 hour
Nutria	1 hour	1 hour
Hudson Seal	30 to 45 minutes	25 to 30 minutes
Muskrat	30 to 40 minutes	15 to 20 minutes
LAND RODENTS		
Rabbit		
Dyed Coney		
Lapin	30 to 45 minutes	30 to 45 minutes
Northern Seal		
Beaverette		
Marmot		
CURLY FURS		
Russian Caracul		
Black Caracul		
Chekiang Caracul	20 to 30 minutes	5 to 10 minutes
Persian Lamb		
Krimmer Lamb		
Krimmer		
THE BEAR FAMILY		
Raccoon	1 hour	1 hour
Bear		
HOOFED ANIMALS		
Pony	35 to 45 minutes	35 to 45 minutes
Kidskin	20 to 30 minutes	10 minutes
THE DOG FAMILY		
Fox	45 to 60 minutes (bagged)	These furs usually used for scarfs. To prevent breakage of buckles and eyes, do not cage
Wolf		
Coyote		
Chinese Dog		
THE WEASEL FAMILY		
Mink	30 to 40 minutes	30 to 40 minutes
Kolinsky	30 to 40 minutes	30 to 40 minutes
Fitch	30 to 40 minutes	30 to 40 minutes
Fisher	30 to 40 minutes	30 to 40 minutes
Weasel	30 to 40 minutes	30 to 40 minutes
Otter	45 minutes	30 minutes
Skunk	45 minutes	30 minutes
POUCHED ANIMALS		
American Opossum	45 minutes	45 minutes
Australian Opossum		
THE CAT FAMILY		
Leopard		
Ocelot		
Leopard Cat	30 to 40 minutes	25 to 30 minutes
Lynx		
Civet Cat		
ALASKA SEAL		
Safari Seal	35 to 45 minutes	35 to 45 minutes
Black Seal		
DELICATE FURS		
Galyak		
Chinchilla	Hand-clean	Shake out by hand or with a suction work table
Mole		
Squirrel		
Broadtail		
Barunduki		

Source—Walter Haertel Co.

Continued on page 91

Operating Cost Percentages

National Averages for 1955

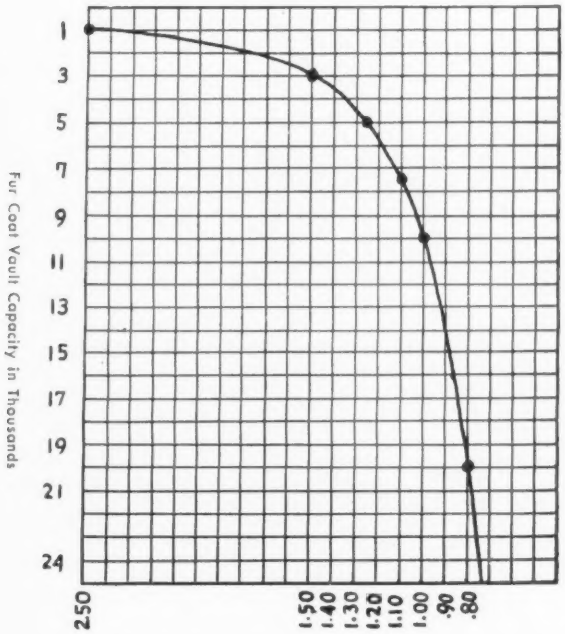
1955 Sales Volume	All Plants	Under $100,000	$100,000 to $150,000	$150,000 to $200,000	$200,000 to $250,000	$250,000 to $300,000	$300,000 to $500,000	Over $500,000
NUMBER OF PLANTS REPORTING	(689)	(132)	(93)	(72)	(99)	(67)	(116)	(96)
LAUNDERING COSTS								
Identifying, Assembly & Packaging	7.84%	7.38%	6.97%	8.66%	7.84%	8.53%	8.36%	7.53%
Washing Labor	4.29	7.15	4.76	6.27	4.79	3.87	3.70	2.79
Finishing & Repairing Labor	19.63	25.20	19.53	19.16	20.14	20.78	19.37	17.42
PRODUCTIVE LABOR—LAUNDERING	32.39	34.88	33.38	34.05	32.90	32.00	31.88	30.69
Identifying & Packaging Supplies	3.50	2.20	3.10	3.20	3.01	3.71	3.59	4.28
Washing Supplies	3.98	5.03	5.06	4.37	4.27	4.06	3.57	3.05
Finishing & Repairing Supplies	1.36	.86	1.49	1.50	1.31	1.37	1.43	1.16
PRODUCTIVE SUPPLIES—LAUNDERING	9.32	10.22	10.21	9.45	9.07	9.57	9.20	8.72
Identifying, Assembly & Packaging	6.52		6.12		6.72	6.52	6.83	6.76
Cleaning Labor	7.65		8.45		5.99	8.48	7.46	6.64
Finishing & Repairing Labor	15.61		17.49		14.02	15.10	16.00	14.26
PRODUCTIVE LABOR—DRYCLEANING	30.26	31.40	30.76	31.46	30.09	31.13	28.60	29.80
Identifying & Packaging Supplies	3.20		3.43	3.30	3.18	3.15	3.47	3.20
Cleaning Supplies	4.69	7.41	5.40	4.95	5.42	4.57	4.09	3.26
Finishing & Repairing Supplies	.69		.71	1.06	.89	.79	.58	.72
PRODUCTIVE SUPPLIES—DRYCLEANING	9.11	11.17	10.22	9.67	9.71	9.44	8.45	7.80
Identifying, Assembly & Packaging	7.93	7.95	7.71	9.19	7.93	7.93	7.47	8.43
Washing & Cleaning Labor	4.66	7.35	6.76	5.13	4.62	4.65	4.56	3.72
Finishing & Repairing Labor	18.45	23.19	19.99	18.49	18.73	18.60	18.69	16.16
PRODUCTIVE LABOR—TOTAL	32.90	36.75	34.70	34.66	33.31	31.53	31.80	29.73
Identifying & Packaging Supplies	3.45	2.58	2.83	2.99	2.93	3.68	3.49	3.99
Washing & Cleaning Supplies	4.07	5.31	4.77	4.18	4.20	4.31	3.72	3.00
Finishing and Repairing Supplies	1.15	.96	1.20	1.19	1.06	1.17	1.12	1.18
PRODUCTIVE SUPPLIES—TOTAL	9.21	10.53	9.53	9.30	9.32	9.07	9.12	8.51
Power Plant Wages	1.29	1.83	1.84	1.76	1.42	1.30	1.24	.95
Fuel—Power Plant	2.30	3.86	2.89	2.88	2.32	2.15	2.13	1.77
Repairs & Maintenance—Power Plant	.27	.59	.24	.29	.26	.28	.25	.25
Depreciation—Power Plant	.34	.58	.40	.41	.37	.30	.36	.26
Insurance—Power Plant	.05	.10	.08	.05	.05	.05	.05	.03
Purchased Power & Light	1.12	1.79	1.40	1.38	1.16	1.16	1.03	.74
TOTAL DIRECT POWER COSTS	5.14	6.69	5.55	6.20	5.20	4.76	4.63	4.03
Rent—Building	1.80	2.71	2.39	2.46	1.60	2.06	1.39	.96
Repairs & Maintenance—Buildina	.40	.40	.40	.30	.35	.39	.43	.41
Depreciation—Building	.53	.80	.51	.50	.50	.52	.56	.50
Insurance—Property	.11	.29	.18	.10	.13	.12	.10	.06
Taxes—Real Estate	.47	.67	.50	.66	.44	.51	.45	.40
TOTAL BUILDING OVERHEAD	2.23	2.99	2.25	2.37	1.89	2.15	2.20	1.79
Maintenance Wages	1.12	1.23	1.12	1.06	1.16	1.00	1.04	1.24
Repairs & Maintenance—Machinery	1.00	1.48	1.10	1.02	1.00	.93	.93	.95
Depreciation—Machinery	2.16	3.40	2.70	2.19	2.20	2.26	2.01	1.82
Insurance—Machinery	.15	.40	.24	.20	.15	.11	.13	.08
Taxes—Personal Property	.33	.39	.33	.42	.30	.30	.36	.33
TOTAL MACHINERY OVERHEAD	4.60	5.39	5.01	4.40	4.50	4.60	4.20	4.24
Indirect Labor	.96	.84	.75	1.00	.87	1.02	.89	1.24
Superintendence—Plant	2.74	3.41	3.57	2.84	2.70	2.90	2.56	2.43
Indirect Supplies & Expenses	.41	.39	.49	.50	.47	.40	.38	.43
Compensation & Other Insurance	.71	.85	.87	.88	.77	.74	.60	.63
Payroll Taxes	1.56	1.53	1.54	1.54	1.50	1.62	1.57	1.57
Vacation Wages—Plant	.85	.50	.61	.80	.81	.90	.96	.84
TOTAL INDIRECT OVERHEAD	6.60	4.29	6.10	6.69	7.03	6.73	6.85	7.43

1955 SALES VOLUME	All Plants	Under $100,000	$100,000 to $150,000	$150,000 to $200,000	$200,000 to $250,000	$250,000 to $300,000	$300,000 to $500,000	Over $500,000
SALES, DISTRIBUTION AND ADMINISTRATIVE COSTS								
Delivery Salaries and Commissions	10.83%	8.81%	8.80%	10.02%	10.23%	10.90%	11.68%	14.10%
Agency Discount and Expense	1.49	1.71	1.31	3.49	2.15	1.20	1.24	1.02
Delivery Equipment Operating Expense	2.60	2.49	2.23	2.77	2.43	2.50	2.67	2.68
Depreciation—Delivery Equipment	.85	1.10	.98	.79	.97	.84	.82	.79
Liability and Other Insurance—Del.	.40	.57	.40	.48	.40	.40	.38	.37
Store Salaries and Expense	2.48	2.00	2.13	3.20	2.90	2.29	2.91	1.86
Sales Promotion Salaries	1.40	2.21	.98	2.00	1.46	1.27	1.42	1.36
Sales Promotion Expense Includes Advertising	1.80	1.46	1.78	1.64	1.78	1.86	2.12	1.99
Claim Adjustments	.68	.40	.51	.58	.60	.69	.85	1.05
TOTAL SALES AND DISTRIBUTION EXPENSE	21.77	12.51	18.24	21.31	21.83	23.76	25.13	27.52
Office Salaries	3.25	3.10	3.42	3.35	3.54	3.05	3.52	3.02
Office Supplies	.66	.65	.66	.58	.64	.60	.66	.73
Office Expense	.58	.69	.58	.50	.59	.60	.55	.60
Depreciation—Office Equipment	.13	.09	.13	.10	.16	.14	.15	.13
Executive Salaries	4.20	6.33	4.74	4.80	4.70	4.56	3.84	3.42
Personnel Relations and Welfare	1.05	.53	.60	1.12	1.01	1.16	1.37	1.34
Bad Debts	.12	.20	.13	.15	.20	.10	.09	.10
Shortages and Unclaimed Items	.10	.10	.12	.09	.09	.10	.13	.06
Other Administrative Expense	1.47	1.98	1.30	1.66	1.42	1.32	1.47	1.39
TOTAL OFFICE AND ADMINISTRATIVE EXPENSE	11.56	8.20	11.90	12.03	11.82	11.72	12.18	11.40
TOTAL OPERATING COSTS	96.27%	93.14%	96.00%	97.80%	96.89%	97.24%	97.11%	96.62%
OPERATING PROFIT (Before Federal Taxes on Income)	3.73%	6.86%	4.00%	2.20%	3.11%	2.76%	2.89%	3.38%

Source: American Institute of Laundering

Continued from page 89

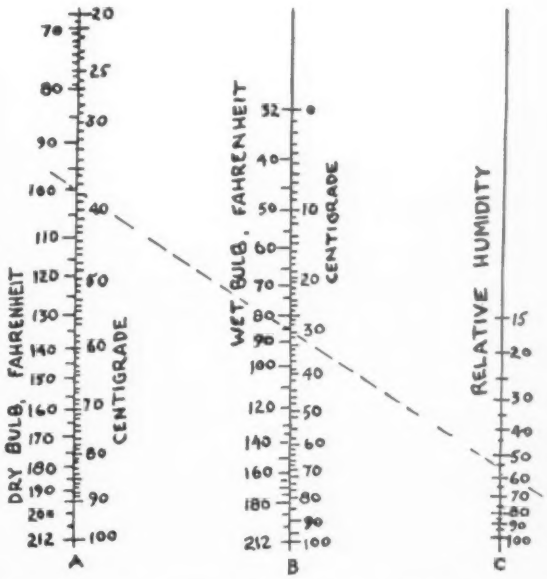
Approximate Cost of Vault Equipment



Cost Per Coat—Storage Vault Equipment

Source—Reliable Fur Storage Equipment Co., Division of Reliable Machine Works, Inc.

Gauging Relative Humidity



The accompanying chart makes it possible to gauge relative humidity quickly. Run a straight line through the dry bulb temperature, column A, and the wet bulb temperature, column B. The relative humidity is given at the intersection with column C. Thus, if the dry bulb temperature is 100° F and the wet bulb temperature 85° F, the dotted line drawn across the chart shows that the relative humidity, column C, is 54 percent.

The chart is based on a formula developed by the U. S. Bureau of Standards. Temperatures are given in both Fahrenheit and Centigrade

Fabrics

Burning Tests for Natural Fibers

Cotton: Burns quickly, yellow flame, smolders
Ash—gray, fluffy, floats off
Odor—burning wood or paper

Linen: Burns rapidly but less rapidly than cotton, smolders longer
Ash—gray, very light and fluffy
Odor—burning wood or paper

Silk: Small flame, sizzles, burns more rapidly than wool, does not smolder
Ash—shiny black beads, readily pulverized
Odor—burning feathers

Silk, weighted: Burns slowly in flame, not after flame is removed
Ash—skeleton of weighting glows
Odor—burning feathers

Wool: Burns slowly, sputters
Ash—black, gritty, pulverizes easily
Odor—burning hair

Burning Tests for Synthetic Fibers

Acetate: Melts before burning
Ash—hard black ball
Odor—pungent, burning rubber

SYNTHETIC FIBERS

CHARACTERISTICS

		COMPOSITION	MANUFACTURERS	END PRODUCTS	BURNING TESTS	SOLVENT TESTS
Acrylic fibers	ACRILAN	Coal, limestone, petroleum, natural gas, water and air	The Chemstrand Corp.	Suits, dresses, socks, playsuits, sport shirts, infants' wear, blankets and furlike linings for coats	Melts and burns with smoky yellow flame, leaving hard black bead	Not affected
Acrylic fibers	DYNEL	Natural gas, air, salt, water and limestone	Union Carbide & Carbon Corp.	Suits, dresses, socks, underwear, blankets and pile fabrics. Drapes and industrial garments where resistance to acids is important.	Will not support combustion; but shrinks, hardens and becomes black and brittle	Dissolves in 100% acetone, but not as rapidly as acetate. Gets tacky in seconds
Acrylic fibers	ORLON	Coal, limestone, petroleum, natural gas, water and air	Du Pont Co.	Overcoats, suits, dresses, sweaters, shirts, blouses, socks, curtains and drapes	Melts and burns, leaving hard black bead	Not affected
Polyester	DACRON	Petroleum, natural gas, air and water	Du Pont Co.	Suits, dresses, ties, shirts, sweaters, socks and upholstery	Melts and burns, leaving light-color bead	Not affected
Polyamide	NYLON	Coal, air, water, petroleum, corncobs, cottonseed hulls and natural gas	Du Pont Co. The Chemstrand Corp. Allied Chemical & Dye Corp. American Enka Corp.	Hosiery, lingerie, sport clothes, socks, dresses, suits, curtains, sweaters, drapes, upholstery	Melts and burns, leaving light-color ash	Dissolves in concentrated formic acid and xylenol
Vinyl	SARAN VELON VINYON HH	Petroleum and salt	The Saran Yarns Co. Dow Chemical Co. Firestone Tire and Rubber Co. American Viscose Corp.	Carpets, draperies, curtains and upholstery fabrics	Melts, does not burn, leaves dark bead	
Mineral	FIBER GLASS	Sand, lime, borax and clay	Owens-Corning Fiberglas Corp. Pittsburgh Plate Glass Libbey-Owens-Ford Glass Glass Fibers, Inc.	Curtains, draperies, shower curtains and casement cloths	Forms molten bead which can be pulled from fabric. Bead in flame becomes red hot	Rust remover will dissolve it
Protein	VICARA	Corn	Virginia Carolina Chemical Corp.	Overcoats, suits, dresses, sport shirts, sweaters, scarves, socks, underclothes and blankets	Glistening black brittle ash like wool. Smells like wool, too	

Acrilan: Melts and burns with a yellow, smoky flame
Ash—very hard black ash
Odor—acrid

Aralac: Sizzles
Ash—black bead, readily pulverized
Odor—burning hair

Dacron: Burns in short jumps, melts
Ash—very hard, cream colored
Odor—pungent

Dynel: Does not burn, melts quickly; edge shrinks back when flame is held close
Ash—hard, black
Odor—pungent

Fiber Glass: Does not burn, melts rapidly in flame
Ash—hard bead glows in flame

Nylon: Does not burn, melts in flame
Ash—light amber color bead, hard to break
Odor—sealing wax

Orlon: Melts and burns
Ash—hard black bead, sticky while warm
Odor—acrid

Rayon: Burns very rapidly, bright yellow flame
Ash—very little, gray, floats off
Odor—burning wood or paper

Vinyon: Melts before burning
Ash—brittle bead
Odor—sharp, disagreeable

Vinyon N: Does not burn but shrinks, hardens and becomes brittle

Continued on page 94

Sources—National Institute of Drycleaning
Textile World

SYNTHETIC FIBERS

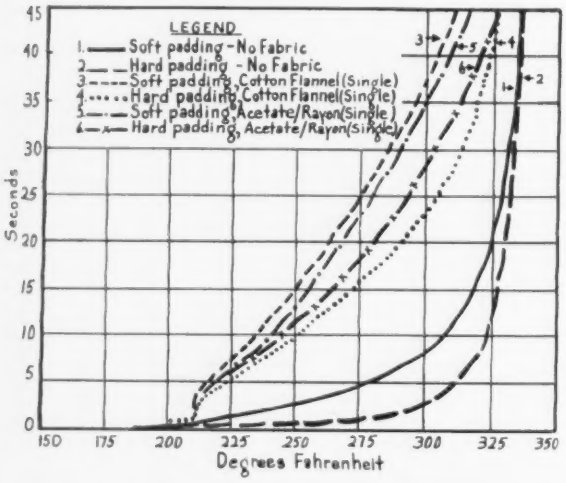
METHODS OF HANDLING

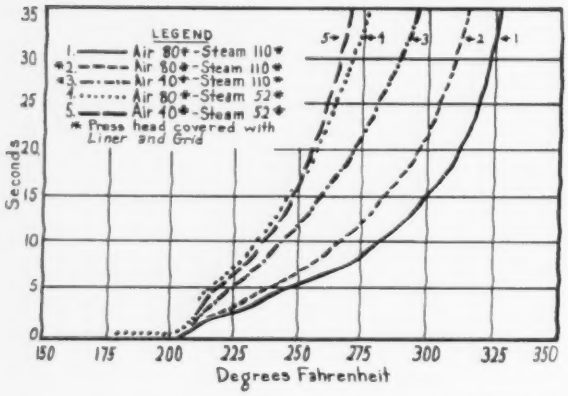
MAY BE TREATED AS	SATISFACTORY IRONING TEMP.	DRYCLEANING	WETCLEANING	SPOTTING	FINISHING	
Orlon, Dacron	260° F	Withstands usual drycleaning processes	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	Use hothead press on "acetate" setting to avoid yellowing or shine. Set creases carefully as they are semipermanent	
	Up to 250° F considered safe Softens at 275° F	Withstands usual drycleaning processes. Do not tumble. Attracts grease in load	Withstands usual wetcleaning processes	Dissolves in acetone but this is rarely used in spotting	Avoid stiffening and fusing by pressing on gridhead press, finishing on covered puff irons. Extremely sensitive to heat	Dynel fleece: Do not steam and brush at same time; flattens nap
Acrilan, Dacron	300° F–320° F	Withstands usual drycleaning processes. Do not tumble fleece	Withstands usual wetcleaning processes	Not damaged by common spotting solvents. Behaves like cellulose acetate rayon	Use low rayon setting; avoid prolonged heating. Permanent pleats should be touched up	
Acrilan, Orlon	Acetate setting Melts at 480° F	Withstands usual drycleaning processes	Withstands usual wetcleaning processes. Does not remove pleats	Not damaged by common spotting solvents	Press adjusted for acetates very satisfactory. Crease put in with hothead press only removed by gridhead press	
Acetate	275° F Melts at about 480° F	Withstands usual drycleaning processes	Withstands usual wetcleaning processes	Not damaged by common spotting solvents	Finish on "acetate" setting using reduced steam pressure, or mechanical pressure	
	Will not stand 212° F Softening point 240° F–280° F Melts at 170°	Not recommended: Will not stand mechanical action of washer, extractor or tumbler. Caution: material tends to form permanent creases when folded		Can be cleaned with damp cloth or spotted with steam gun	Steaming on press will cause it to shrink excessively. Can't be stretched. Most items will not require finishing	
	Strength begins to decrease at 600° F	Do not dryclean. Does not withstand usual drycleaning processes	Use only minimum mechanical action. Do not wring, extract or tumble	Printed fiber glass may bleed in cleaning solvent	No finishing is required. May be cabinet-dried	
Wool	350° F Softens at 450° F	Withstands usual drycleaning processes	Withstands usual wetcleaning processes	Reacts somewhat like wool. Wet solvents work better than dry solvents	No unusual problems. Fabrics with which it is blended will determine finishing temperature	

Continued from page 93

Finishing Synthetics

Fusing, shine and stiffness are some of the objectionable results of pressing synthetic fabrics in the laundry. These results are exaggerated by subjecting the fabrics to hard padding, excessive mechanical pressure and high temperature.





Source: American Institute of Laundering

Presses should be padded according to the manufacturers' recommendations. Padding should be checked frequently to avoid matting, to provide quick delivery of steam and vacuum. Be sure the cover and padding cover the buck completely.

Most synthetics require just a "kiss" of the press head. It should never be locked on synthetics. Important, too, is the release of the press head before vacuum is applied. New *type press plates will help reduce the possibility of fiber* fusing.

Pressure-reducing valves on the steam line will further minimize the danger of shine. They keep temperatures of the steam in line. Proper steam pressures are covered in Power Plant section of this issue.

Complete data on drycleaning is carried in the Annual Guidebook of our sister publication, The National Cleaner & Dyer.

Maximum Finishing Ranges

Fiber		Temperature
Glass		550–600° F
Linen		450–500° F
Cotton		400–420° F
Wool		350–370° F
Silk Vicara	Silk setting	320–340° F
Acetate Acrilan Dacron Nylon Orlon Rayon	Rayon setting	260–300° F
Dynel Vinyon	(Finish on gridhead press)	Under 250° F
Permalon Saran Velon	CANNOT be finished	

Labels—What They Mean

Completely washable—This garment can be washed in a *commercial laundry, or in a home* washing machine, in hot water not *to exceed 160° F, with soap or de*tergent, and bleaching agent.

Fully washable
Do not bleach—This garment can be washed in a commercial laundry, or in a home washing machine, in hot water not to exceed *160° F, with soap or deter*gent. Do not use bleaching agents.

Wash in warm water
Do not bleach—This garment can be washed in a commercial laundry, or in a home washing machine, in warm water not to exceed *120° F*, with soap or detergent. Do not use bleaching agents.

Wash by hand in lukewarm water
Do not bleach—This garment must be washed by hand. Use lukewarm water, not to exceed 105° F, with mild soap or detergent. Do not use bleaching agents. *Press with hand iron.*

Dryclean—For best results, garments so labeled should be drycleaned.

This uniform labeling program was designed as a guide for the laundering of men's and boys' shirts, pajamas and sportswear by six national manufacturing, retailing and textile maintenance groups, including the American Institute of Laundering.

A. I. L. Bulletins and Reports

Service Bulletins are published semi-monthly by American Institute of Laundering, Joliet, Ill. They are available to members only and are included as part of membership dues.

Titles and order numbers of Service Bulletins are printed in Roman type, those of Special Reports in *italics*.

Sales

53 .....The Sanitary Aspects of Commercial Laundering
386 .....How a Laundry Turned Seals Into Sales
397-III ....Boost Sales With Routemen Contests
404 .....Route Sales Dip; Delivery Costs Rise
420 .....Beat Last Week's Sales Campaign
426-III ....Which Route Salesman Are You?
432-II .....Build Good Will—Sell More Service
433-A .....Newspaper Advertising
437 .....Laundry Open House
438-III ....Telephone Directory Advertising Service
447 .....The A. I. L. Button Campaign
448 .....How To Publicize Your Laundry
457-C .....Telephones That Sell at Night
458-C .....Newspaper Advertising With Mats
461-B .....Home Washing Costs
462-B .....Can TV Sell Laundry Service?
464 .....Building Price Folders That Sell Laundry Service
467 .....Sales Totem Pole
471-A .....Route Splitting Plan Can Prove Profitable
472 .....How A. I. L. Conducted a Pillow Sales Campaign
479 .....How To Conduct a Sales Training Meeting
483-B .....Sales Letters Promote Over-the-Counter Sales
484-A .....*How To Control and Streamline Routemen Settlement Plans*
489-A .....Use Newspapers to Sell Laundry Service
493 .....So You're Going To Have a Trade Show Booth
495-2 .....Industry Sales At All-Time High in 1955
499 .....*Certified Washable Seal—What It Is and How You Can Use It*
87 .....*Simplified Sales Recording System for Small Laundries*
95 .....*Routemen Employment Contracts*
117 .....*Sales Letters for Your Laundry*
154 .....*Radio Spot Announcements*
166 .....*Claims and Adjustments*
172 .....*Routemen's Sales Contests*
174 .....*How to Color Style Your Fleet*
175 .....*Radio Spot Announcements (Laundering and Dry Cleaning Go Together)*
180 .....*Laundry Tickets*
186 .....*Fluff Dry Radio Spot Announcements*
188 .....*Sales Control for Regular Customers*
189 .....*Sales Control for Irregular Customers and Prospects*
191 .....*Direct Mail Support for Your Routemen*
194 .....*How to Hire the Right Route Salesmen*
196 .....*Sales Contests*
208 .....*Survey of Neighborhood, Drive-In, Quick Service*
211 .....*Over-the-Counter Laundry Service*
221 .....*15th Annual Advertising Contest Winners*

Production

6 .....How to Launder Curtains
10 .....*How to Launder Blankets and Comforters*
34 .....*Washing Formulas*
60 .....Sources of Chemical Damage to Fabrics
65 .....More Curtain *Problems to Consider*
194 .....*How to Starch Shirts in the Washwheel*
327 .....A Reconditioning Method for Tufted Textile Articles
333 .....Improved Wearing Apparel Production
338 .....Rack Keeps Tab on Key Tag Spares
339-A .....Four-Section Ticket Simplifies Identification
340 .....Lot Control System Cuts Listing, Ups Production
346-A .....Method Development and Incentive Installations
352 .....*Unique Shake-Out and Feed Tables for Handling Sheets*
353 .....Tumbler Drying Time
360 .....Pacifixed, a Washable Woolen
362 .....Synthetic Detergents
363-II .....Marking System Minimizes Number of Misplaced Items, "Due" Bundles
375 .....Formulas for Washing Overalls and Wiping Rags
378-A .....*Laundering of Washable Woolen Slacks*
379 .....Fluorescent Preparations and Whiteness
381-A .....Fabric Damage: Causes, Responsibilities
387 .....Getting the Most Out of Dry Tumblers
392-A .....The Pressing of Elastic Webbing
392-B .....Handling the Washable Zipper Shirt
394 .....A. I. L. Report on No-rinse Surf
400 .....How to Launder and Finish Nylon
401-A .....Identification Procedures
401-B .....How to Launder Viscose Dress Shirts
402 .....Dry Tumbling of Elastic Webbing
403 .....Flatwork, Tumble Hanks
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416-A .....Whiteness Retention; Tensile Strength Loss
423 .....Improved Pants Pressing Method
424 .....Laundering Properties of Dynel
441-B .....Chlorine Retentive Fabric Problems
445 .....Laundering and Finishing Sport Shirts
450-A .....Time-Temperature Pressing Study
450-B .....Booking the Bundles
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454-C .....Outline for Planned Plant Layout
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456-A .....Gravity Method for Folding Sheets
460-A .....Heat Can Cause Orlon To Shrink and Discolor
461-A .....Finger Roll Increases Flatwork Production
463 .....Laundering New Washables Is Challenge to Launderers
469 .....How To Dye Fabrics in Small Washers
471-B .....How To Launder Institutional Blankets
475 .....Methods for Finishing French Front Shirts
480-A .....How To Handle Washable Leathers
480-B .....Launderability Labeling Program Begun
484-B .....Burned Solvent Fumes Can Torture Tumbled Togs
486 .....*Laundering Soft Collar Shirts*
487-B .....How To Handle Tufted Rugs
489-B .....How To Reclaim Heavily Soiled Nylon and Dacron
490-A .....Pillow Processing Practices
490-B .....How To Schedule and Control Work Flow
494-A .....Viscose Rayon Tufted Rugs Are Washable
494-B .....Shirt Inspection for Quality Control
498 .....Proper Use of Bleach

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162 .....*How To Launder Silks and Rayons*
165 .....*Methods Simplification*
180 .....*Laundry Tickets*
210 .....Laundry Packaging
215 .....*What Pressing Equipment Shall I Buy*
218 .....*Occupational Evaluation of Hourly Rated Laundry Jobs*
228 .....*Soap*

Management

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337-B .....Practical Fire and Safety Measures
378-B .....Washable Wool, How and Why It's Here
390 .....*An Effective Tool for Employee Training*
391 .....Employee Attitudes and Human Relations
393 .....*Your A.I.L. Laundry Department*
409 .....*Your A.I.L. Laundry Department Power Plant*
411-III ....Asset, Liability and Capital Accounts
418-II ....Keeping Help in Tight Labor Market
418-A .....Study of Fabric Damage Causes
434-A .....Accounting Index for Operating Expense Items
435 .....Quality Control

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459-A .....Getting and Keeping Better Employees
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466 .....Practical Solutions To Your Bookkeeping Problems
470 .....Truck Leasing vs. Truck Ownership
473-A .....A Machine System for Laundry Billing
473-B .....*How To Control Linens in Hospitals and Hotels*
474 .....Test Piece Service Continues Growth in Popularity
476 .....Addressographs on Trucks and in Call Offices
481 .....How To Determine Profit in New Business
482 .....Records Provide Measurements and Control in Institutional Plants
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485 .....Summary of Questions and Answers on A. I. L. Operating Cost Survey
488 .....A.I.L. Accounting Calendar for 1956
491 .....Insurance—Coverage for Customers' Bundles and Garments
492 .....Appraisal—The Laundryman's Detective
495-I .....Reduce Operation Costs with Test Piece Service
496 .....Members Praise Fabric Analysis Service
497 .....Preliminary Report of Operating Cost Percentages
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133 .....*Occupational Possibilities in Power Laundry Industry*
181 .....*Planning Regional and State Conventions*
185 .....*Laundry Letterheads*
190 .....Uniform Account Classification
204 .....*Validating and Summarizing Laundry Tickets*
207 .....*Modern Fibers and Their Current Usage (Price $1.00)*
219 .....A.I.L. Laundry Department Operations (1955)
220 .....*Costs by Services in the Laundry Department of A.I.L.*
222 .....*Speech Material for Laundryowners*
227 .....Operating Cost Percentages for 1955

Power and Engineering

426-II .....*Proper Care of Machinery is a "MUST"*
480 .....How Zeolite Water Softeners Work
32 .....*ASME Rules for Routine Operation of Boilers*
161 .....Laundry Power Plant Survey
163 .....*Steam—What It Is and How It Acts*
164 .....*More Power From Your Fuel Dollars*
178 .....Fuels: Their Selection and Their Burning
212 .....*The Determination of Laundry Power Plant Requirements*
223 .....*Piping*
225 .....*Water*

A.I.L. Textile Notes

As products appear on the market that may prove troublesome or have an effect on any phase of laundering, the Laboratory Division of the production and engineering department of the American Institute of Laundering informs members through Textile Notes.

One complete set of Textile Notes is available to AIL members on request. Additional copies of one or several Textile Notes are available at the rate of 5 cents per copy. Special quotations on large quantities (200 or more) can be obtained by writing AIL's Membership Department, Joliet, Ill.

1. .....Unequal Shrinkage of Linen Damask Tablecloths
2. .....Deodorant Damage to Fabrics
3. .....Sunlight and Curtains
4. .....Chemical Damage to Fabrics
5. .....Color Fading and Chafe Marks
6. .....Damage to Printed Fabrics
7. .....Mechanical Damage to Fabrics
8. .....Color Fast—Red That Turns Blue
9. .....Ironing Temperature for Acetate Rayon
10. .....Fingernail Polish—An Incendiary
11. .....Damage to Black-Dyed Cotton Fabrics
12. .....Cotton Fabrics Containing Paper Yarn—Not Washable
13. .....The Problem of Shrinkage of Textile Fabrics
14. .....X-Ray Developer Stains
15. .....Poor Launderability of Ramie Luncheon Cloths
16. .....Length of Life of Shirts
17. .....Towel Shrinkage
18. .....Loose Threads on Turkish Towels
19. .....Soft Water Conserves Fabric and Soap
20. .....New Coveralls Require Special Care
21. .....Celluloid Can Damage Fabrics
22. .....Chemical Damage That Looks Like a Burn
23. .....Look for Termites as a Cause of Damage
24. .....How Home Starching Can Stain
25. .....The Felting of Wool
26. .....Moth Damage to Wool
27. .....Non-Skid Rugs—A Fire Hazard
28. .....Cotton; What It Is; How It Launders
29. .....Wool; What It Is; How It Launders
30. .....Viscose Rayon and Acetate
31. .....Embossed Fabrics
32. .....Hospital Linens Damaged by Timing Device
33. .....Fabric Damage From Inflammable Buttons
34. .....Misuse of Household Bleach Causes Damage
35. .....Permanent Stays in Collars Can Cause Laundering Problems
36. .....Finishing of Dynel Fabrics Creates Problems
37. .....Home Bleaching Can Damage Resin Finished Fabrics

Books for Launderers

Establishing and Operating a Laundry Business. U. S. Department of Commerce. Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C. 60 cents.

Handbook for Route Sales Executives. By Fred DeArmond. Mycroft Press, 2115 Sherwood Rd., Springfield, Mo. $6.00.

How To Build a Greater Demand for Your Professional Laundry Services. Starchroom Laundry Journal, 305 E. 45th St., New York 17, N. Y. $1.00.

How To Clean Cotton Rugs. National Rug Cleaner, 305 E. 45th St., New York 17, N. Y. 25 cents.

How To Train Finishing and Folding Operators in the Laundry. Starchroom Laundry Journal, 305 E. 45th St., New York 17, N. Y. $1.00.

The Laundry Primer. Starchroom Laundry Journal, 305 E. 45th St., New York 17, N. Y. 50 cents.

Route Sales Management. By Fred DeArmond and George N. Graf. Moore Publishing Company, 48 W. 38th St., New York 18, N. Y. $5.00.

Storage for the Drycleaner. National Cleaner & Dyer, 305 E. 45th St., New York 17, N. Y. 50 cents.

E/C EASTERN CYCLONE
SPECIALIZED LAUNDRY EQUIPMENT

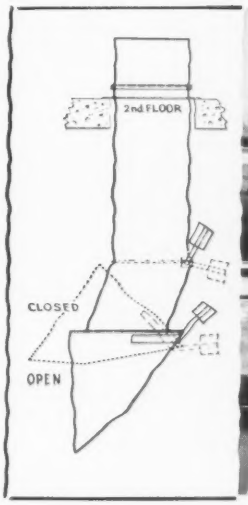
Improves your laundry quality - *Speeds processing* - Saves money!

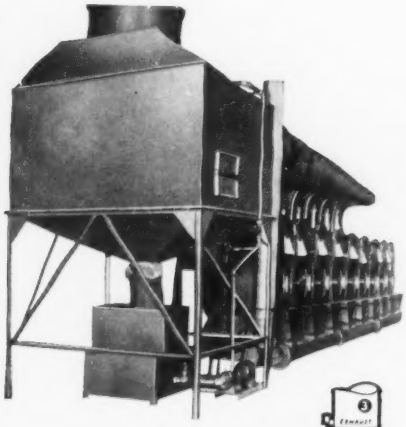
LAUNDRY IS JET-PROPELLED WITH E/C LOADING HOPPER. CUTS "LOAD" TIME TO 50 SECONDS

For use with Pullman or Y Pocket wash machines. One man operates easily.

Unloads full wash machine capacity. Saves costly time wasting, hand loading jobs. No need for carts, trucks. Gives a near-continuous wash cycle.

Starts saving the day used. Low cost of operation. More wash cycles per day.

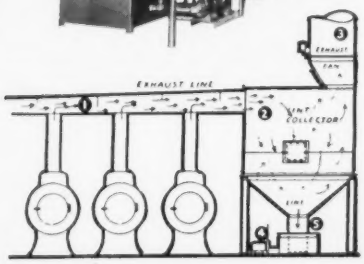




YOU GET COMPLETELY LINT-FREE WASHES WHEN YOU HAVE THE E/C LINT COLLECTOR

100% effective lint trapping. Used by more than 39 power laundries. Eliminates waste of "down-time." Increases tumbler output to 30% more. Usually pays its cost in few months.

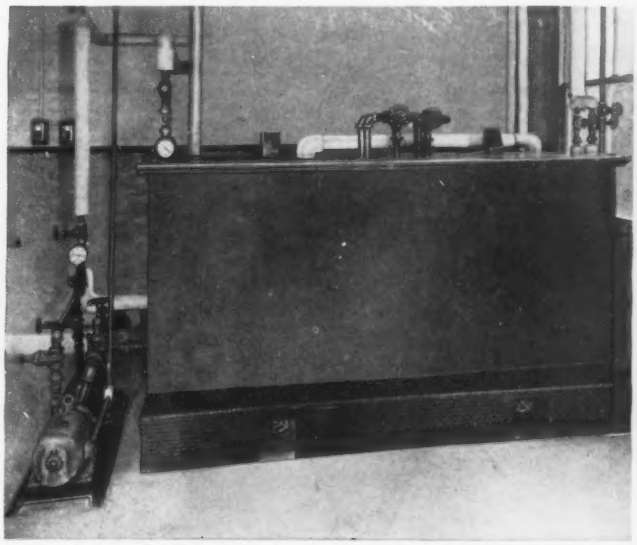
For any capacity tumbler from minimum of 4—36" x 30", or 3—44" x 42" tumblers. Installed floor, ceiling or outside plant. Keeps plant clean.



YOU SAVE 10% OR MORE—ON SOAP COST . . . SIMPLIFY THE HANDLING PROBLEM WITH AN E/C CIRCULATING SOAP SYSTEM!

Not only can soap formula be held to a constant standard, but can be varied to meet soil conditions.

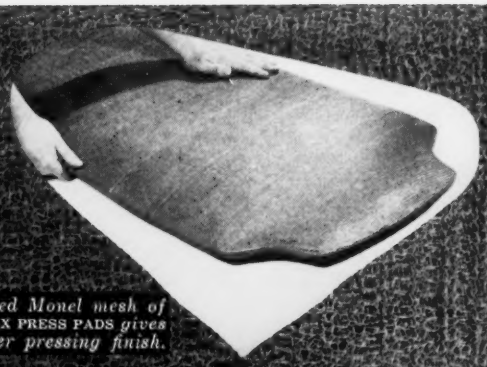
Unit Capacities: 360—480—900 gal. Designed to deliver up to 60 gals. per minute. Eliminates "bucketful" of soap at a time. Washes are consistently better. Soap goes into immediate solution. Used by leading laundries everywhere. Reduces costs!



Send for Catalog No. 10—describes all E/C Laundry Equipment. Or call E/C direct or contact any of the LEADING Laundry Machinery Mfr's (our representatives).

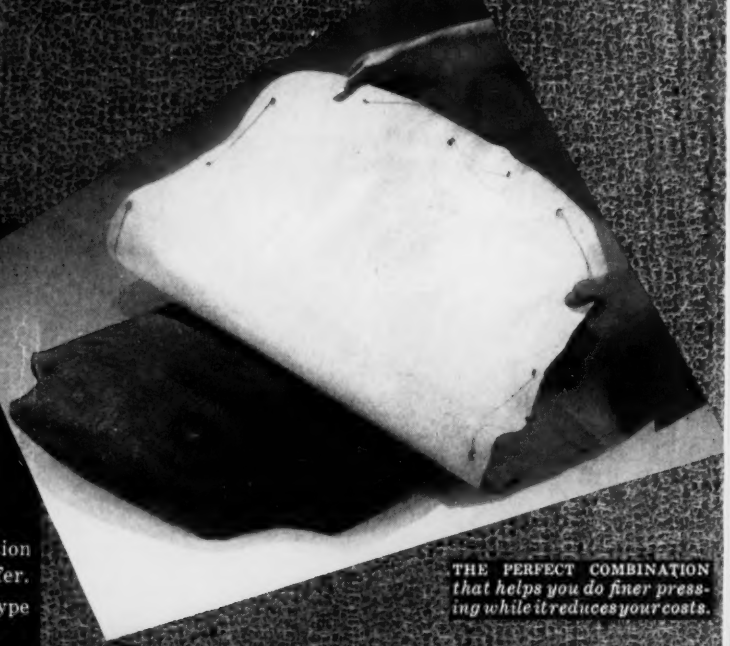
EASTERN CYCLONE
876 Van Houten Ave., Clifton, New Jersey

BULLDOG
Monel Wire Metal Press Pad with Asbestex Cover



The knitted Monel mesh of FLAN-L-TEX PRESS PADS *gives you a finer pressing finish.*

THE PERFECT COMBINATION



THE PERFECT COMBINATION *that helps you do finer pressing while it reduces your costs.*

Show the wise business man how he can improve his operation and save money – and you'll win a staunch friend. FLAN-L-TEX PRESS PADS are real friend winners because they point the way to more efficient, economical and profitable operation.

HERE'S WHAT FLAN-L-TEX PRESS PADS CAN DO FOR YOU

Increase production on account of rapid dissipation of moisture and faster drying by high heat transfer.

Assure you of high quality finished work on all type presses including cold buck presses.

Scientific engineering assures you of continued full resiliency for the life of the pad.

FLAN-L-TEX PRESS PADS are custom made from the press manufacturers' exact specifications, using a smoother, resilient knitted Monel mesh than any other pad manufacturer, thus guaranteeing you a much finer pressing finish, no broken buttons.

Because of their smooth, soft surface, FLAN-L-TEX PRESS PADS make the use of a short-life top pad unnecessary and when used with the ASBESTEX COVER eliminate the use of Canton Flannel.

The FLAN-L-TEX PRESS PAD is actually a base pad and a top pad built into one.

All FLAN-L-TEX PRESS PADS are guaranteed for one year on a pro rata basis.

Your FLAN-L-TEX jobber's knowledge of your requirements will be gladly extended to solve your pressing problem. Call on him today.

With BULLDOG ASBESTEX COVERS, *there's no need for double-faced flannel.*

USE BULLDOG ASBESTEX COVERS *to eliminate double-faced flannel. Made of finest asbestos and resin treated for longevity. These covers are reversible.*

X. S. SMITH, INC.

RED BANK NEW JERSEY

FOR PERFECT PERFORMANCE

ALWAYS...AND ALL WAYS...

ALWAYS DEPEND ON MARKING TAGS OF *Permafiber*

THE CONTROL-TESTED MARKING TAG STOCK

That Delivers Superior Performance on Three Vital Counts:

SUPERIOR SURFACE: *Blurred or Washed Out Printing Markings* are eliminated by a new, non-oily surface that takes ink swiftly, holds it indefinitely, does not blur or "feather" the markings through diffusion.

SUPERIOR COLORS: *Bleeding Colors* are no problem with *color-fast* PERMAFIBER . . . *the only Marking Tag Stock* CERTIFIED as COLOR-FAST by THE AMERICAN INSTITUTE of LAUNDERING! A sparkling, clear BRIGHT WHITE has been added to the NINE BRILLIANT SHADES.

SUPERIOR DURABILITY: Tags made of PERMAFIBER defy the harshest laundry and dry cleaning processes. . . . give you the highest score on these four vital points:
Stand up in strongest solutions or solvents . . . *won't tear,* shred or disintegrate in processing . . . *won't break* at fastening point . . . *stay with the garment* from start to finish.

Certified by
THE AMERICAN INSTITUTE OF LAUNDERING

The only Marking Tag Stock continuously Tested and Certified since 1948 by the A.I.L. for Durability and Color-Fastness! Not a single sheet or roll of any new making of Permafiber is ever shipped until samples from that particular lot have gone through the A.I.L. tests . . . with flying colors.

AMERICAN INSTITUTE OF LAUNDERING CERTIFIED WASHABLE

PLANT OPERATORS and SUPPLY JOBBERS:

SPECIFY *Permafiber*

for every kind of identification system. It costs no more to buy tags of Permafiber, and no other tag stock assures such complete trouble-free service.

TAG MANUFACTURERS:

USE *Permafiber*

Our warehouse inventory of Marking Tag Stock is the biggest and most complete. PERMAFIBER Marking Tag Stock is available for prompt shipment at all times, thereby benefiting everybody concerned with identification tags. You can DEPEND on PERMAFIBER for SUPPLY as well as for perfect PERFORMANCE Always and All Ways. To be sure — use Permafiber.

Tag Makers, Supply Jobbers, Plant Operators and Users interested in the adaptability of PERMAFIBER for any type of Marking Tag, Sales Book and Invoice Form or Identification System are invited to write for information and samples.

OVER

Permafiber Corporation

450 SEVENTH AVENUE • NEW YORK 1, N. Y.

BIGGEST THING IN THE FIELD!

On the record of tonnage produced and sold, PERMAFIBER is the Marking Tag Stock most used by manufacturers of Laundry and Dry Cleaning Tags, Identification Systems and Sales-book Forms. This leadership of PERMAFIBER is based on one all-important factor . . . PERFORMANCE. The test of time . . . as well as the test of the A.I.L. . . . is proving that PERMAFIBER *has everything* that a tag stock should have . . . and has it every time!

There is no better assurance of satisfaction for the ultimate user . . . no better assurance of profitable sales by the jobber . . . no better safeguard for the reputation of the tag maker . . . than the use of . . .

Permafiber

for all different types of Laundry and Dry Cleaning Tags as well as all styles of IDENTIFICATION SYSTEMS, including

SALES BOOK & INVOICE FORMS

You can depend on PERMAFIBER for a

PERFECT PERFORMANCE
ALWAYS . . . AND ALL WAYS

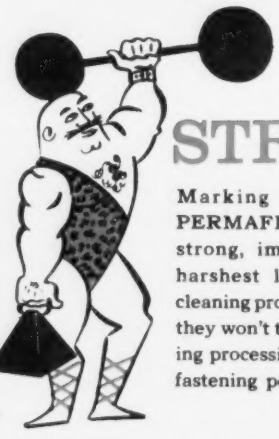
Permafiber Corporation

450 SEVENTH AVENUE • NEW YORK 1, N. Y.

This 2-page insert is printed on the new white Permafiber Marking Tag Stock with ordinary printing ink (not for ink testing purpose). To sample the effectiveness of Permafiber, tear on dotted line and attach it to a garment to be put through your process. See how quickly and easily it takes marking ink . . . and how clear the markings remain for easy reading.

FOR PERFECT PERFORMANCE

ALWAYS and ALL WAYS!



STRONG

Marking Tags made of PERMAFIBER are tough, strong, impervious to the harshest laundry and dry cleaning processes. That's why they won't tear or get lost during processing, won't break at fastening point .

DEPENDABLE

No surprises with PERMAFIBER! Manufacture is scientifically controlled and continuously tested. The same PERFECT PERFORMANCE, *Always and All Ways* . . . from month to month and from year to year.

PERMAFIBER is dependable, not only for its superior quality but also for its guaranteed availability. A huge inventory of Permafiber Marking Tag Stock is carried at all times and is available for prompt shipment thereby benefiting everybody concerned with identification tags.

TAKES INK PERFECTLY

The perfected non-oily surface and smooth finish of PERMAFIBER takes ink more swiftly, holds it more indelibly, and prevents spreading or blurring through excessive absorption. With such PERFECT PERFORMANCE, *Always and All Ways* . . . PERMAFIBER cuts those losses due to washed-out or illegible markings!

COLORFUL *and* COLORFAST

PERMAFIBER gives you NINE BRILLIANT COLORS to work with, in addition to the *new* SPARKLING BRIGHT WHITE! COLORFAST . . . *no running or bleeding, no ruined garments* . . . PERFECT PERFORMANCE, *Always and All Ways!*

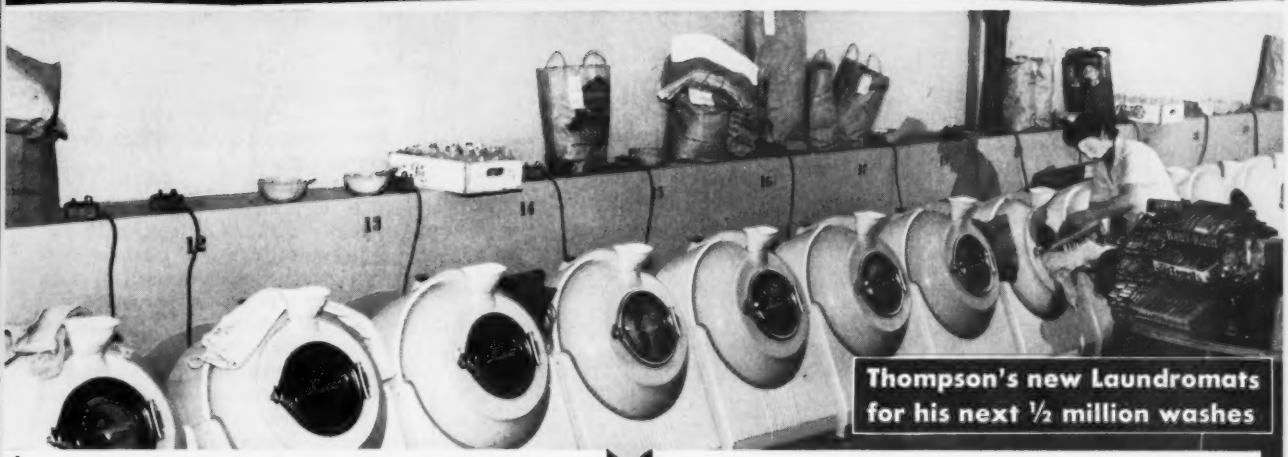
Can any other washer prove performance like this?

Thompson's old Laundromats after ½ million washes.

MY Westinghouse 9 LB. COMMERCIAL WASHERS

operated 'wide open' for 8 years . . . since February, 1948 . . . gave me over

1/2 million washes!"



Thompson's new Laundromats for his next ½ million washes

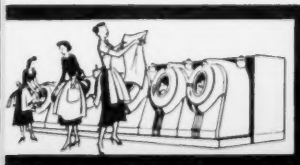
"For proven commercial performance and proven washing ability, the Westinghouse washer can't be beat. We've just installed new Westinghouse RC washers because we wanted a more modern appearance and our depreciation claims had expired. They're certainly 100% right when they say

YOU CAN BE SURE...IF IT'S Westinghouse"

Jim Thompson
Belmont Laundromat
Chicago

Be SURE . . . Be real SURE!

Before you buy new washers, be sure they're COMMERCIAL WASHERS, designed, manufactured and sold SOLELY for rugged daily LAUNDRY STORE, FEEDER OPERATION, and ROUTE OPERATOR USE.

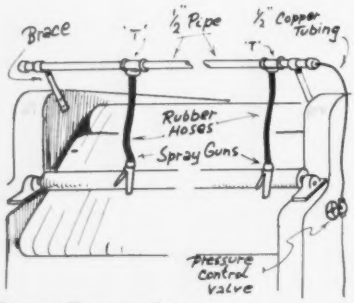


ALD, INC.

49 N. Clark St., Chicago 13, Ill. 7402 Sunset Blvd., Los Angeles 46, Calif.
546 Edison St., Dallas 7, Texas 1355 Market St., San Francisco, Calif.
ALD, New York, Inc., 37-28 30th St., Long Island City 1, N. Y.
The Prudential Bldg., Room 1626, Jacksonville 7, Fla.
ALD New York, Inc., 511 W. Coldspring Lane, Baltimore 10, Md.

Write or Phone! Regardless of Where You Are

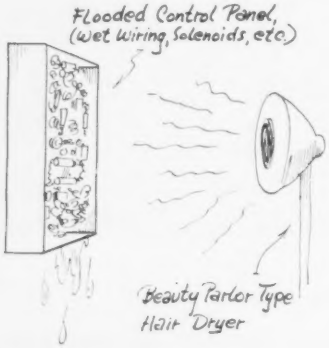
• We will call on you personally to discuss the advantages of joining the ALD-Westinghouse family of operators. Contact any one of our 7 offices.



Spray Guns on Ironer

In sections of the country where high temperatures and low humidity are common in the summer time, down-time of an ironer often means a sheet will dry out waiting to go through. A handy positioning of the necessary spray guns at a flatwork ironer was seen just a few weeks ago in a California laundry.

A half-inch pipe runs across the feed end of an ironer, held in position by a pair of metal braces fastened to the ironer housing at each side. Short lengths of rubber hose lead from the pipe to hold a spray gun near each side of the ironer, just in front of the doffer roll. The spray guns are within easy reach of either feeder, and the pressure of the spray is controlled by a valve on the line running down the right side of the ironer.

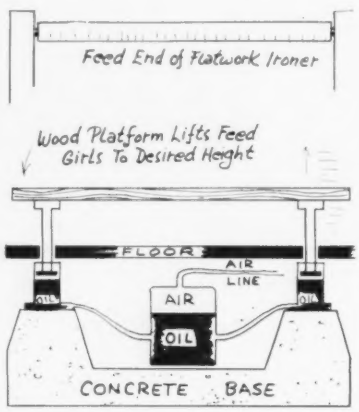


To Dry Flooded Boiler

During the December 1955 flood in Santa Cruz, the Kerrick Laundry had over 2 feet of water in the plant and 8 feet in the boiler room, which was on a lower level. The plant was down for 10 days . . . and would have been down a lot longer, except for a timely tip on how to dry out the soaked coils, solenoids, and all the other parts in the complicated machine controls, etc.

At the suggestion of the local telephone company, a battery of electric hair driers such as those used in beauty shops and in the home were set up near the various controls and run day and night for three or four days. (Caution was taken not to place them too close to the wiring.) As a result, the great majority of control parts were salvaged, and only a very few replacement parts had to be purchased.

In addition to the laundry plant, many other local concerns had flooded boilers. Many of the local boilers literally "blew up" due to the water in the firebricks when the intense heat hit them when started up. At the Kerrick plant the firebox was dried out very carefully by burning paper and cardboard boxes on a day-and-night schedule for three or four days. The firebox was accepted as dry only when "white smoke" stopped coming out of the stack. (This was the steam.) As a result the firebox was undamaged when the boiler was fired up in the conventional manner with gas.

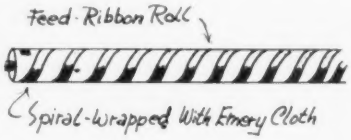


Lift for Flatwork Feeder

In Santa Cruz, California, Marvin Kerrick had a problem with the ribbons slipping on his calender flatwork ironer, with the result that sheets were wrinkling. Figuring the problem could be solved by shortening the distance the sheets had to travel before getting into the ironer, he cut off the protruding supports and remounted the feed-ribbon roll closer to the cylinder.

This in turn caused another problem. The feeders had to reach up too high to feed the sheets. To solve this, a concrete base was built on the ground 4 feet under the floor to support an "elevator." Two old air-press cylinders lift a 2-foot-wide section of the floor along the length of the ironer, to raise the feeders and their flatwork to a convenient height for feeding the work into the machine.

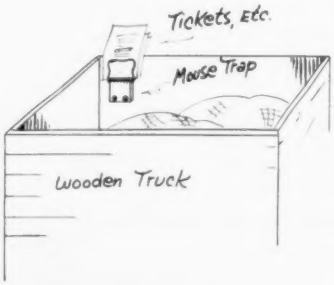
A metal pressure tank, with a capacity of about 5 gallons, holds 3 gallons of heavy cylinder oil. A control valve on an air line handy to one of the feed girls is used to direct air into the pressure tank, which forces the oil into the two air-press cylinders for raising the elevator. For lowering the platform the air is released and the drop is cushioned by the oil being forced back into the pressure tank.



Stops Feed-Ribbon Slip

As a sequel to the previous item, this one merely points out that experience is a good teacher. In spite of cutting off the front of his ironer and repositioning his feed-ribbon roll, the feed ribbons continued to slip and the sheets continued to wrinkle in Mr. Kerrick's plant.

The solution, Marvin relates, was to go to a local auto-parts store and purchase a $2 roll of 2-inch-wide emery cloth such as auto mechanics use for cleaning various automotive parts. This 2-inch emery cloth was wrapped in a spiral around the feed-ribbon roll along its entire length. This not only stopped the ribbons from slipping; it allows the ribbons to be run with quite a bit of slack . . . and gives them considerably longer life.



Mousetrap Holder

Ever have the problem of keeping identifying slips with the proper loads of work as you cart them around the

laugh 'n learn

Moisture content can spoil shirts as well as babies. Proper extraction isn't enough. Shirts should be kept covered until pressed to prevent drying out.

Quality control is the key to bigger production, smoother finishing, greater customer satisfaction. You can't maintain it without a quality starch. That's why more and more laundries rely on Satinette exclusively.

A KEESTAR KEE PRODUCT

HALF WHEAT

Satinette

HALF CORN

THE KEEVER STARCH CO., Columbus 15, Ohio

Corn, wheat and other grain products for industry since 1898

Reprints of this ad are available from your Keever Jobber.

If It's GREEN— It's Your "GO" Sign to Better Pressing Jobs

Better Resilience Over A Longer Period Of Time With The Original ARROW SPONGE PAD

When You Re-Pad GO with Arrow!

GREEN ARROW SPONGE PADS are the standard for doing better work on difficult-to-press items . . . the standard for economy in the plant where operational expenses, if unheeded, can eat up profit . . . the standard for quality installations on all varieties of dry cleaning presses! Once you turn to GREEN ARROW SPONGE PADS, you'll stay with it—all the way! It has a pressing pad special formula foam rubber top, silicone fibre insulating center and heavy asbestos cloth base. Fits with simple installation! A fully patented pad, often copied, never equalled.

NOW! Get **Double** The Features At One Low Cost With Green Arrow Cover 'N Pad Unit—

The famous GREEN ARROW SPONGE PAD combined with U. S. Rubber's Asbestall cover for a single installation at less cost.

SIZES and SHAPES for all DRY CLEANING PRESSES.

Order from your jobber please.

ARROW MANUFACTURING CO.

2924 TERRACE ST. • KANSAS CITY MISSOURI

Check these Advantages and Learn Why So Many in the Industry RE-PAD with ARROW:

- √ ELIMINATES SHINE
- √ ELIMINATES BUTTON AND ZIPPER BREAKAGE
- √ ELIMINATES NEED OF FLANNEL OR COTTON PADS
- √ OVERLAPS BUCK
- √ EASY CLEANING
- √ LONGEST LASTING
- √ SPEEDS PRODUCTION

plant? Some launderers have solved the problem, where they use canvas baskets, by sewing pockets for the tickets, etc., on the outside of the basket end. Marvin Kerrick in Santa Cruz uses wooden trucks for transporting work through the plant . . . and he uses ordinary wooden mousetraps fastened to an inside corner of each truck to hold the tickets or other identification slips.

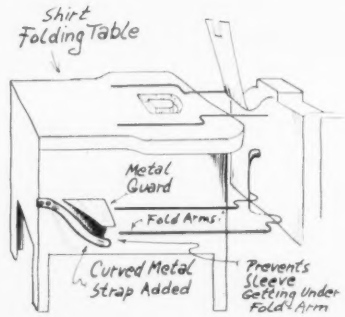
Four screws secure the trap near the top edge of the truck so the tickets are easily accessible. He even uses the mousetraps to hold the tickets over the key-bars in his damp-assembly department, too.

Shirt-Folding Problem

This is in no way a reflection on a very popular shirt-folding table, but it shows how a shirt girl can foul up even the best engineered piece of equipment.

This automatic shirt folder has a little plate extending out the side of the table to guide the shirt sleeve out over the wirelike fold-arms at the sides of the machine. In this plant the girl somehow always managed to wind up with the cuff end of the sleeves down *between* the two fold-arms, as she positioned the shirts.

The problem was solved by bolting a curved piece of metal strap to the



machine so it extends further out than the regular flat metal guard which comes already on the equipment. This curved strap is about a foot long and extends out about an inch beyond the tip of the outer fold-arm so the sleeve just can't get between the two arms and foul up the folding process.

Note: At last report the girl in question has overcome this hurdle, too. Seems she no longer depends on the sleeves falling naturally into place over the fold-arms as she positions the shirt collar. She has found she can *throw* the cuff ends of the sleeves in between the fold-arms, and very neatly foul up the fold.

Well-Equipped Sorting Bins

At the Nu Way Laundry & Cleaners in Long Beach, California, Dave Astrin and plant manager Harry Petersen showed me their latest laundry sorting bins which are fitted with 2½-inch strips of green "blackboard" such as is used in many modern schools. These Prestwood strips along the front edges of the shelves for the ticket numbers to be applied with chalk are far superior to the usual homemade jobs where blackboard slating is applied to wooden strips.

Incidentally the bottom shelf has its strip of blackboard positioned in nearly a 45-degree angle so the numbers may be read more conveniently by the sorters. These sorting bins are

get uniform approval with *Clinton*® starches

Yes, customer approval comes quickly when uniforms are starched with Clinton's special laundry starches. Those who wear them will appreciate their crisp *freshness . . . their flexible finish . . . their pleasing* appearance, time after time.

And, *you* will approve of Clinton's quick boiling . . . fast penetrating action . . . and easier ironing, job after job.

No wonder so many laundries make it a uniform practice to use Clinton starches for every type of *uniform and apron. Doctors, dentists, nurses,* beauticians and industrial workers (like meat packers and bakers) — *all* approve when their uniforms are starched the Clinton way.

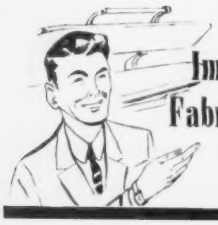
. . . and remember technical service in connection with your specific problems is available without obligation.

Quality products

FROM THE WORLD'S CORN CENTER

CLINTON

CLINTON CORN PROCESSING COMPANY
CLINTON, IOWA

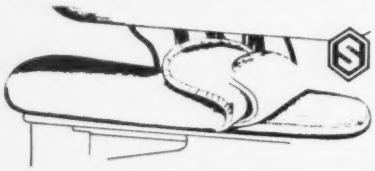


How to Improve Your Fabric Finishing

A plant superintendent asks, "How can we avoid imprints, particularly when pressing collars, cuffs and bosoms of shirts?"

It is well to remember that there is a press cover style for every type and make of press and for every requirement. To use the cover expressly made for the specific press is to obtain the desired high standard of quality work. We recommend that you use STAD-SPUN covers to help you produce the finest work from your presses. STAD-SPUN "special formula" treated nylon press covers have longer wearing qualities and are heat and abrasion resistant. STAD-SPUN is woven with an extra fine weave (more than

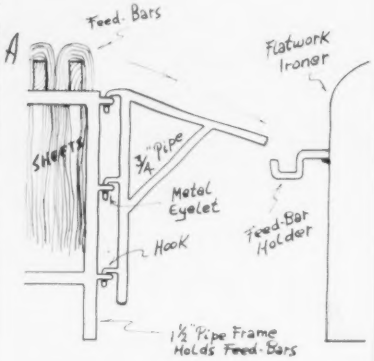
120 threads to the inch) not to leave an imprint, particularly on collars, cuffs and bosoms of shirts. It is non-slip and non-stick. Available in ready made covers for all laundry presses, and by the yard, in 7" and 54" widths. Priced low, to give you a low cost for each hour of every operating day.



Call your distributor—he will help you with your press maintenance problems. Or write for a "Glossary" that defines the various types and uses of STAD-SPUN and STAD-TEX Press Covers.

STADHAM
COMPANY, INC.
HEXAGON DIVISION
1825-31 N. 20th ST., PHILADELPHIA 21, PA.

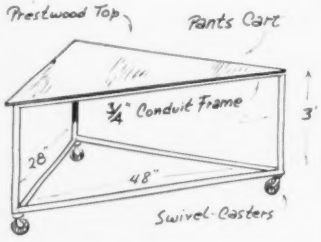
all equipped with swivel casters to make housecleaning more thorough and easier. Best of all the sorting bins can be repositioned to fit any desired new idea of layout at a moment's notice. Screen wire backs on the bins keep orders from falling off, and do not interfere with ventilation at the sorters' station.



Guides Relieve Girls

Flatwork feed-bars at the Nu Way are held in position back of the ironers, on a sturdy pipe-frame. To save the girls from lifting the heavy feed-bars over to feed-position at the ironer, gate-type guides of three-quarter pipe are swung into position to carry the weight of the sheet-laden feed-bar.

These A-shaped guides are fitted with metal hooks that fit into metal eyelets on the leading edges of the feed-bar frame. This permits swinging the guides out of the way, or even removing them completely if necessary.



Triangle for Trousers

Jack Elbering's Peerless Laundry & Drycleaners in Oakland, California, is not without gadgets, either. In his drycleaning department they make use of a triangular-shaped pants cart for transporting trousers to the pressers. These three-wheeled affairs fitted with swivel-casters are highly maneuverable and can be wedged through small openings between other carts or baskets.

The carts have tops of Prestwood, if I remember correctly, fastened to

HOLD EVERYTHING

with dependable

GRIPPO

TROUSER GUARDS

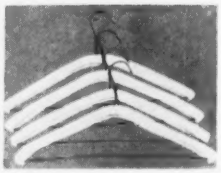
The Latex Strip With the Bulldog Grip.

Cleaners everywhere find Grippo Trouser Guards the surest, most dependable, and most economical of all. They fit neatly and easily over hanger bars and hold even the smoothest of materials snugly and safely during plant handling and deliveries. Made of heavy kraft board with a strip of latex down the center, GRIPPO TROUSER GUARDS never fail to hold!

ONE MILLION A DAY THE GRIPPO WAY!

Now!

A NO-SLIP NO-CREASE



GRIPPO SHOULDER GUARD

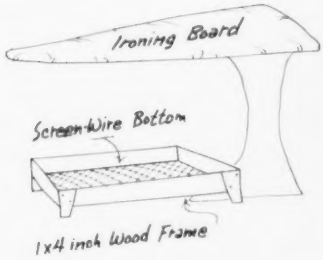
Plastic-foam Grippo Shoulder Guards prevent garments of the most delicate fabric from creasing, sliding or falling from the hanger. They convert a plain ordinary wire hanger into a delightfully useful accessory in a moment. In soft pastel colors and white to delight feminine clients. Build good will and increase business with GRIPPO SHOULDER GUARDS.

SOLD BY LEADING DISTRIBUTORS

Get complete information from your distributor today!

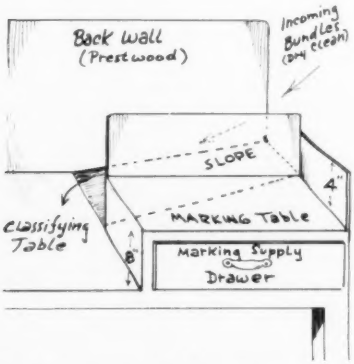
L. M. LEATHERS' SONS
PAPER PRODUCTS DIVISION
P. O. Box 1188 • Athens, Ga.

the ¾-inch conduit frame which is all welded together and very sturdy. Two such carts take no more space in the rather cramped department than one conventional-shaped pants cart.



Screen Garment Catchers

At Peerless Laundry in Salt Lake City, each of the ironing boards has a small wooden tray under it to keep garments from getting soiled by touching the floor. These trays are simple boxlike affairs made out of 1-by-4-inch boards, supported by short wooden legs. What makes them different is the fact they aren't covered with cloth, but instead have screen-wire bottoms. According to management, it prevents the collection of dust that occurs on cloth covers, and is a further guarantee against soiling a dress during finishing.



For Drycleaning Mark-Ins

At Unique Cleaners, a small plant in Oakland, California, Bill Haynes had a neat marking-in table behind the front-office counter that looked like a natural for any laundry doing a small volume of drycleaning with the counter girl doing the marking in.

Bill wanted the bundles to be marked in on a "first come, first served" basis, so he built up a table for this purpose. It has space for breaking the bundle and also space for marking the order, as well as space to hold a number of incoming orders in proper sequence.

The result looked as if he started

Continued on page 110

HOW MACHINE TYING SERVES BUSINESS and INDUSTRY

"Bunn Tying Machines for efficient operation . . ."

says C. T. McClymonds of Abbott Linen Supply

"We use the 'bundle system'," reports Mr. McClymonds, Plant Manager of this Cincinnati, Ohio firm, "and find that our Bunn Tying Machines are as important to us as the paper to wrap the bundles. Tying with twine on these machines is a great labor saver and far more efficient than using gummed tape or other materials. We like Bunn Machines and couldn't operate economically without them."

Both hands of the Bunn Machine operator are free at all times . . . unwieldy bundles can be held together easily until tied. The operator simply steps on the treadle and . . . in less than *2 seconds* . . . a bundle, shirt box or stack of flat-work is neatly twine-tied. Never too tight or too loose. Beginners immediately do as much work as 5 to 10 experienced hand tyers. Simple, fatigue-less operation cuts down labor turnover . . . ideal for women operators.

BUNN PACKAGE TYING MACHINES Since 1907

B. H. BUNN CO., Dept. SL-106 7605 Vincennes Ave. Chicago 20, Illinois

MAIL COUPON NOW FOR MORE FACTS

GET THE WHOLE STORY
Send today for this fact-packed booklet, which illustrates the many advantages of Bunn Tying Machines. Or let a Bunn Tying Engineer show you. No obligation.

B. H. BUNN CO., Dept. SL-106
7605 Vincennes Ave., Chicago 20, Ill.

☐ Please send me a copy of your free booklet.
☐ Please have a Bunn Tying Engineer contact me.

Name _____
Company _____
Address _____
City _____ Zone ____ State _____
607

Distinctive

shirt finishing
by
UNIPRESS

UNIPRESS 2-GIRL GLIDE-O-MATIC SHIRT

Outstanding shirt

MODEL 5FT
UNIPRESS SHIRT FOLDING TABLE

Excellently designed in a compact unit, this smooth operating, automatic folding table neatly folds and bands any size shirt. Adaptable for shirt pak. Unipress heavy-duty construction and standard parts make the folder an extremely durable machine. Efficient, quiet and requires no special installation.

UNIPRESS ONE LAY SLEEVER

One fast, easy lay on the Unipress Sleever finishes two sleeves in just seconds . . . automatically. Just slip on the sleeves, clamp the cuffs, press the control button and the Sleever does the rest. Sleeve forms return automatically with cuff clamps released for speedy removal of shirt.

finer finishing faster with . . .

UNIPRESS

See your nearest Unipress

UNIPRESS

2800 LYNDALE AVENUE SOUTH

Glide-O-Matic Features

★ Perfectly balanced for two-girl operation . . . saves floor space . . . delivers beautifully finished shirts in seconds.

★ A star of the unit is the *Glide-O-Matic One Lay Bosom and Body Press* which *automatically* finishes both bosom and body of shirts, sizes 14" to 18", in one simple, speedy lay!

★ Neck clamp and tail clamp on Glide-O-Matic Bosom and Body Press release *automatically* when buck returns to original position—a Unipress exclusive! Saves operator time . . . speeds removal of shirt! Press includes automatic counter.

★ Bosom and body of shirt automatically sprayed . . . eliminates hand spray!

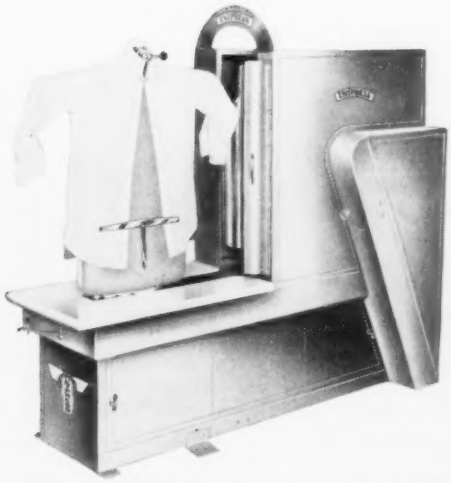
★ Famous Unipress *Gliding Action* moves highly polished chrome heads over the shirt to produce a customer pleasing finish.

★ Automatic equalizing pressure compensates for differences in thickness of material . . . eliminates rough dry! Heads and bucks on all presses are specially designed to give fast drying.

★ Rugged construction and simplicity of design guarantees longer press life and fewer maintenance calls!

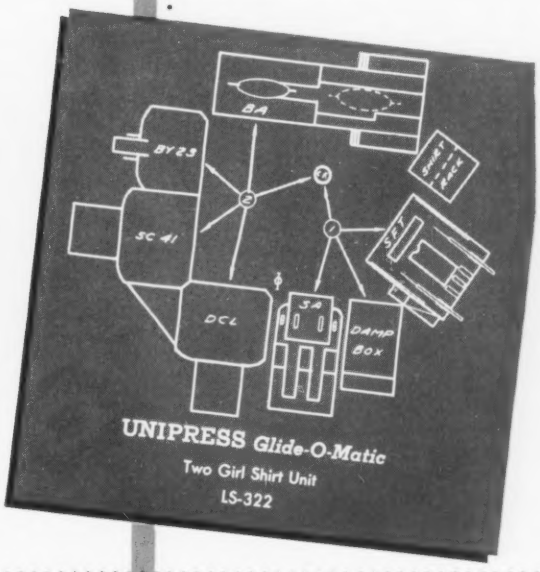
FINISHING UNIT EXCELS IN QUALITY AND PRODUCTION

production by UNIPRESS



UNIPRESS GLIDE-O-MATIC ONE LAY BOSOM AND BODY PRESS

This amazing press automatically finishes both bosom and body of a shirt in one lay. Operator lays shirt over buck, snaps on collar and tail clamps, and sends loaded buck into press where the shirt receives its beautiful finish. When completed, the buck automatically returns to the original position where the collar and tail clamps both automatically release . . . a Unipress exclusive.



Distributor or fill in and mail coupon

COMPANY

MINNEAPOLIS 8, MINNESOTA

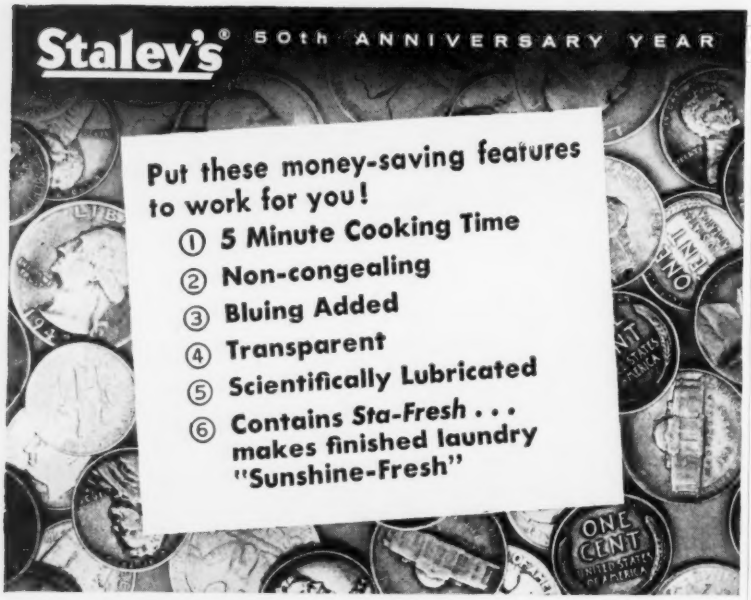
Please send floor plans and complete information on the UNIPRESS 2-GIRL GLIDE-O-MATIC SHIRT UNIT.

Name_____

Firm_____

Address_____

City_____ Zone____ State____



One of these Staley starches fits *your* needs . . .

CROWN . . . The Economical 5-oz. Starch

CREST . . . The New 8-oz. Starch

Both give you the famous features shown above! Both are easy to handle . . . easy to use, give a velvety finish with *no* smears or highlights. They penetrate fabrics smoothly, evenly —*never* mask colors. Pick the Staley starch that fits your needs best . . . then try it soon. Remember: Crown (5 ounce) for tops in economy and quality; Crest for the best in 8 ounce starches. Get full details from your distributor or Staley representative.

A. E. Staley Mfg. Co., Decatur, Ill.
World's Largest Starch Supplier to Professional Laundries

Continued from page 107

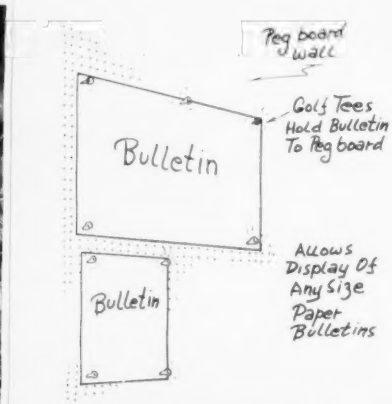
with an ordinary 4-by-6-foot flat table and put a 2-foot-high panel of Prestwood across the back to hide the table top from the view of the counter customers. An 8-inch-high space about 20 inches square makes a raised platform to serve as the marking table and hold the necessary marking machine, as well as to house the marking-supply drawer. Between the marking table and the back panel of the table is a sloping chute leading to the classifying section of the table top. As orders come in they are placed on the high end of the chute behind the marking-table section and are pushed in proper order onto the portion used for breaking the bundle at the left of the marker.

At any rate, this table could hold a dozen orders in proper sequence for marking in, and still be hidden from the view of the customers. The counter girl during the marking operation constantly faces the counter as she tends to the marking chore, and has no need for lifting orders onto the table top.

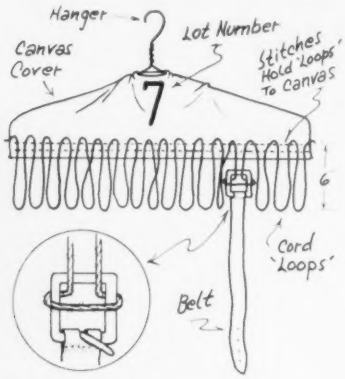
Tees for Pegboard Tacks

The Marshall Steel Company laundry in Oakland, California, has a newly redecorated call office featuring a lavish use of pegboard in an eye-catching array of soft colors. One of the most attractive manners of displaying advertising posters is to be seen here, done in a very unusual manner.

Those colored plastic golf tees that are now on the market are used to secure any shape of poster to the pegboard interior of the front office. No



more pins to mar the walls, no more tape to come loose at the slightest provocation. Just position the poster or bulletin and stick a golf tee through the paper and into the hole in the pegboard background. Under the brilliant fluorescent lights of the new office the vivid color of the plastic golf tees creates a beautiful effect. The tees come in almost every color of the rainbow.



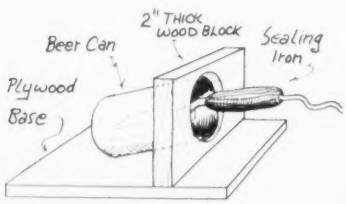
Belt Savers

Also from the Marshall Steel Company comes a good idea for preventing loss of belts that accompany drycleaning orders. Belts from an entire lot are hung from a canvas cape that fits over a clothes hanger that accompanies the lot as it is processed through the plant. This canvas cape bears the number of the lot.

The manner in which the belts are secured to the numbered cape is the important feature. Twenty to 22 loops of heavy cord hang down from the lower edge of the cape. The 6-inch-long loops have been fashioned from an unbroken length of cord which is sewed to the lower edge of the cape.

The end of the cord loop is stuck through the buckle and the end of the belt is then drawn through the loop. As a result the belt is secured to the buckle in such a manner as to make it impossible to remove it without pulling the entire length of the belt up

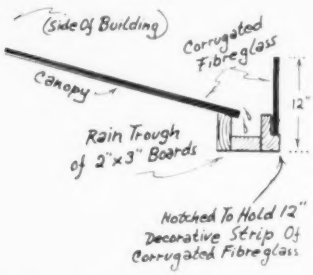
through the loop. Intentional removal of belts so held is simple, but accidental loss is prevented. Once a belt has been fastened to the cape during the marking process, it will be there when the lot is checked out.



Sealing-Iron Safety

Any launderer who wraps shirts in cellophane knows the hot sealing iron, during the time it is not being used, has to be kept out of contact with anything that might burn. To this end many launderers have come up with a lot of ideas, ranging from spring suspension to counterbalanced supports, to keep them off the table.

The latest safety precaution is the use of a beer can mounted on an angle with the open end held inside a hole cut in a 2-inch-thick block of wood. Not only is the opening big enough for easy insertion of the iron; the can also acts as a safeguard against damage in case inflammable material accidentally gets thrown over the iron.



Decorative Rain Canopy

Bill Haynes built a 4-foot-wide canopy over the walk alongside his Oakland plant on the drive-in parking lot side. He used corrugated fiber-glass panels which let a lot of light through to the walk.

Of chief interest was the manner in which he took care of the problem of run-off water from the sloping canopy. He used three 2-inch-thick-by-3-inch-wide lengths of board, nailed together in the shape of a "U" to serve as a rain trough and also to support the lower edge of the canopy.

As a really decorative touch Bill notched the outside edge of the wood rain trough to support a foot-high strip of the green corrugated fiber glass along the entire canopy. He did

the DOMESTIC LAUNDRY now uses ANDERSON TRAPS

Exclusively!

"they give us **MAXIMUM SERVICE!"**

Another outstanding laundry, The Domestic Cleaning & Laundry Company, Cleveland, Ohio, is now using Anderson Super-Silvertop Steam Traps exclusively! Mr. R. F. Engel, General Manager, sums up his preference as follows: "They give us a maximum of service with very little trouble."

Everywhere laundries are changing over their traps to Anderson Super-Silvertops. They like their exclusive engineering features such as a patented guided bucket arrangement which guarantees positive leakproof seating of valve, and results in longer life. Furthermore, Super-Silvertops are installed straight in line or as an elbow in any size saving on fittings and installation time. Thus instead of laboriously removing traps from a pipeline, the maintenance man can open and clean a Super-Silvertop without disturbing a single pipe fitting! Save money. Get longer life from your steam traps. Specify and buy longer-lasting Super-Silvertops!

THE NEW WAY
Notice the simplicity and saving in fittings.

THE OLD WAY
Notice how bottom inlet requires complicated piping.

FREE TRAP SELECTOR BOOKLET!
Tells how to select and install traps for all steam equipment. For your free copy, fill out and mail...

THE V. D. ANDERSON COMPANY
Division of International Basic Economy Corporation
1981 West 96th St. • Cleveland 2, Ohio

Name _____
Company _____
Address _____
City _____ State _____

ANDERSON SUPER-SILVERTOP STEAM TRAPS
The Engineered Steam Traps

You save time and work . . . make operators happier . . . when you put Shamrocks to work! Popular with many types of users, the No. 19 Shamrock Truck is built with spring steel frame, sturdy hardwood runners, heavy-duty canvas reinforced with leather at end of strips, and many other long-wear features. There's a Shamrock style and size for every need, also special styles for individual needs. For literature and prices, contact nearest sales office below, or write MEESE, INC., Madison, Indiana.

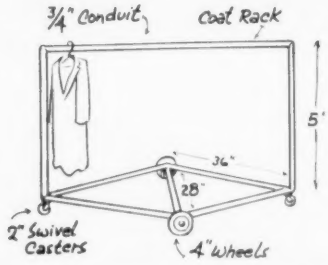
SALES OFFICES: NEW YORK—F. R. Tyroler, 55 West 42nd St., PE 6-0615; ATLANTA—W. E. Petway, 2577 E. Densley Dr., North Decatur, Ga., MElrose 6-3192; FORT WORTH—V. M. Hooton, 4220 Normandy Road, Tel. JEfferson 6-6564; WEST COAST—Petersen-Daniels, Inc., 3311 Beverly Bldg., Montebello, Calif., RAymond 3-7003; Export Mgr. —R. A. Auerbach, Easton, Pa., Cable Address, "Natly."

the same to the front edge of the canopy on the street side and ran the same foot-high strip across the entire front of the plant. It added a welcome touch of color to an otherwise drab exterior, and added materially to the over-all appearance of his Unique Cleaners.

Maneuverable Coat Rack

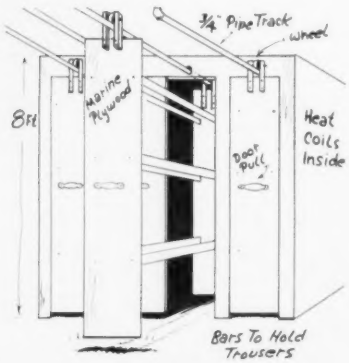
At Peerless Laundry & Drycleaners in Oakland a highly maneuverable rack for carrying coats to the finishers in the drycleaning department is in use. This wheeled cart is made of ¾-inch conduit neatly welded together and has a base in the shape of an elongated diamond. The "points" are fitted with 2-inch swivel casters, while the center sports two 4-inch "fixed" wheels that are 28 or 30 inches apart. The garments are hung from the same ¾-inch conduit running the length of the cart and supported at the two ends by 5-foot uprights of the same material.

Actually, the little 2-inch wheels on the ends could just as well be the stationary type, since steering is accomplished by tilting the rack so the weight rests entirely on the 4-inch wheels at the center of the base. Unlike the more common types of racks,



with swivel casters on four opposite corners that need to be pulled in order to maintain a semblance of direction, these carts at Peerless can be pushed.

In addition, the wedge-shaped ends clear their own path between other carts and baskets that may be in the way, thus saving the employee the necessity for going ahead of the cart continuously to move such obstacles from his path.

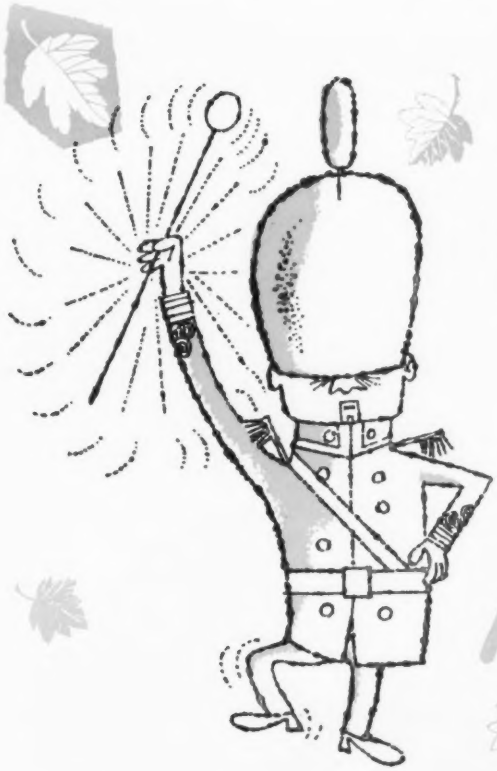


Pants-Drying Cabinet

At the Victor Laundry Co. in Berkeley, California, Victor Akers was swamped with wash-pants in the bachelor bundles he handled from a Maritime Service Training School in 1944. In order to increase production without putting in more presses he took an idea from the old curtain-drying cabinet.

He built an 8-foot-square drying cabinet out of marine hardwood and lined it with hard asbestos sheets. Steam coils were erected in each end of the cabinet for heat, and sliding racks were installed that could be pulled out the front of the cabinet.

Pants were extracted only four to five minutes and remained in the presses only long enough to get them smooth and creased. (They came off the presses still wet enough so that water could be extracted from them in the extractor.) Next they were placed over the hanging bars of the drying racks which held about 20 pairs of pants, and dried in the cabinet in about 20 or 25 minutes. Vic says production climbed to 30 to 40 pairs of pants per operator, as against



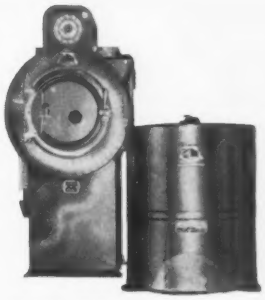
The sensational Hammond Washer-Extractor Combination. Open-pocket type with automatic controls.

Hammond Laundry and Drycleaning Tumblers. Recognized as the finest on the market.

HAMMOND'S

Parade of Progress!

Hammond Automatic, open - end Washers. Rugged stainless steel construction for long, trouble-free operation. Available in 40 lb, 60 lb and 75 lb capacities.



Hammond Stainless Steel Wizard Extractors. Available in 20" 24" 26" and 30" sizes. Self balancing type available in 20" size. Hammond 25 lb Midget-Matic Washer. Perfect for small bundles. Completely automatic.

Join the thousands of plant operators all over America who are lining up with the Hammond parade of top quality, high speed, automatic equipment. They are finding that Hammond equipment is increasing profits while cutting labor and supply overhead. Why don't you do the same . . . call your nearest Hammond dealer for complete information or write direct to the factory.

HAMMOND
LAUNDRY - CLEANING MACHINERY COMPANY

HAMMOND BUILDING WACO TEXAS

HAMMOND LAUNDRY-CLEANING MACHINERY CO.
HAMMOND BUILDING WACO, TEXAS

Please send all information about the HAMMOND WASHER-EXTRACTOR COMBINATION

Address_____

Name_____

City_____ Zone____ State____

LEEF SLEEVERS...

are big time savers that will dry and condition overall and coverall sleeves—leave them open, ready for the press. It's easy to increase laundry production with these fast, efficient, steam heated expanding ironing forms. No pulling or smoothing of garments is required—a single fast lay does the trick after the garment has been on the sleever.

put a leef up your sleeves

IT'LL WORK MAGIC WITH PRODUCTION RATES!

Leef Coat Sleever: Gray iron table, chrome plated arms; size 22 x 22 x 58 inches—shipping weight 370 lbs.

Leef Overall Sleever: Gray iron table, chrome plated arms; size 23x23x 58 inches — shipping weight 370 lbs.

Leef

Ask your jobber or write for illustrated bulletin.

BROTHERS, INC.
205 IRVING AVENUE NORTH
MINNEAPOLIS 5, MINNESOTA

OTHER LEEF LABOR SAVERS:

Leef Trouser Form — Nurse's Uniform Sleever — Leef "Packaloes" — Leef Tumbler Bearing

12 to 16 per operator using the standard method of drying them in the presses.

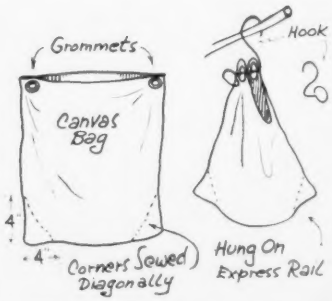
Best of all, the pants came out of the drying cabinet without the usual heavy wrinkles and objectionable shine. He still uses the drying cabinet for this purpose.

Bagged Drycleaning Orders

All drycleaning orders coming in over the counter are placed in canvas *bags at the big Marshall Steel Company* laundry in Oakland. Wine-colored bags are used to contain all *specials, while regular drycleaning orders* are placed in white bags. Laundry bundles are carried back of the office partition and placed in trucks.

Rather than toss the drycleaning orders into baskets or trucks in sight *of the customer, as would be necessary here, the individual orders in their* respective canvas bags are hung on a *chrome-plated slickrail behind the* counter for conveying to the marker.

These bags have big metal grommets in both upper corners through *which a sort of S-hook is passed before hanging on the slickrail.* The bags



are pushed about 10 feet to the drycleaning mark-in department which is behind a partition of the call office itself.

Another touch to eliminate the possibility of small articles being left in the bag when they are emptied on *the marker's table has been the habit* of having all bags sewed diagonally *across each lower corner about 4* inches from the tip.

Drums for Do-Overs

Here's a laundry that uses a big 55-gallon drum mounted on three swivel casters for easy moving of do-overs back to the washroom. What makes it *different from most is the fact that it* has two heavy-duty handles, made of *3/4-inch pipe, welded to the sides, so* the person moving it can more easily steer it around obstacles in its path. In addition, the drum is plainly lettered "DO-OVERS" so no one will think it is a trash can.

Door Handle Raises Drum Lid

John Baird, at Bairds' Cleaners in Boise, Idaho, solved the problem of lifting the metal lid off his trash drum by bolting an ordinary kitchen cabinet door handle near one edge. It provides convenient one-hand opening, instead *of the usual two-hand operation where* a tight-fitting lid is involved. □□

Before buying a flatwork folder stop and compare values

First, run down this check list. See how the Fleximatic® *Air Jet* surpasses in labor-saving features and performance.

Just one example is Fleximatic's "brain." Automatically it measures linens and determines the proper location for each of two folds. It functions on both narrow and wide linens. And even though as many as four small pieces are in between the measuring point and the folding location, the brain "remembers" exactly how each piece should be folded . . . and then does it.

Point for point, no other folder offers you as much as a Fleximatic. Send for free catalog.

	FLEXIMATIC	FOLDER "A"
Can time four articles at once	Yes	No
Handles flatwork 18" - 108" long	Yes	No
Air Jet Folding	Yes	No
Troublesome folding blades and clutches	No	Yes
Intricate moving parts in folding mechanism	No	Yes
Direct Motor Drive	Yes	No
Available 1, 2, 3, 4, or 5 lane models	Yes	No
Lintproof electric timer motors	Yes	No

Troy

LAUNDRY MACHINERY

Division of
American Machine and Metals, Inc.
EAST MOLINE, ILLINOIS
"World's oldest builders of power laundry equipment"

MAIL COUPON TODAY

TROY LAUNDRY MACHINERY, Dept. SLJ-1056
Division of American Machine and Metals, Inc.
East Moline, Illinois

Yes, please send Catalog YF-31-55 with full information on the Fleximatic *Air Jet* Folder.

ORGANIZATION _____

ADDRESS _____

CITY _____ ZONE _____ STATE _____

NAME AND TITLE _____

R/M REVOLITE®

FOR BETTER IRONING AT LOWER COST

Modern laundries use more R/M REVOLITE roll covers than any other kind, and they report savings up to 43% annually as a result. Here's why they're the first choice of budget-wise laundry managers:

BETTER FINISH . . . Flatwork looks better, because REVOLITE's fine-woven cloth puts a smoother finish on all ironed goods.

HIGHER PRODUCTION . . . REVOLITE Covers can stand higher temperatures—permit faster machine speeds; and their long life eliminates stoppages for roll changing.

LOWER COST . . . REVOLITE Covers outlast other covers several times over—and save power and labor through increased efficiency.

Every R/M REVOLITE Cover is installed and maintained by a factory-trained specialist, and is backed by a written guarantee. Write or call today for complete details.

RAYBESTOS-MANHATTAN, INC.
REVOLITE DIVISION, 500 Fifth Ave., New York 36, N.Y.
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RAYBESTOS-MANHATTAN, Inc., Asbestos Textiles • Laundry Pads and Covers • Brake Linings • Brake Blocks • Clutch Facings • Fan Belts • Radiator Hose • Rubber Covered Equipment • Industrial Rubber, Engineered Plastic, and Sintered Metal Products • Abrasive and Diamond Wheels • Bowling Balls

Continued from page 21

FAYETTVILLE, N. C.—R. G. Creech and J. R. Howard have purchased Mayflower Laundry and Dry Cleaners, 512 W. Russell St., from Mr. and Mrs. A. Wilbur Clark. The new proprietors are associated in Creech Cleaners and Modern Cleaners at Fort Bragg.

ATLANTA, GA.—The store front at Beacon Laundry & Cleaners in the Garden Hills Shopping Center has been completely repaired, after damage caused by an automobile crashing through the front wall.

ELLIOT LAKE, ONT., CAN.—Mel and Joan Bowman are the proprietors of the new Elliot Lake Laundry.

GUELPH, ONT., CAN.—Construction is under way on a new laundry building at the Ontario Agricultural College.

HUNTINGTON, W. VA.—White Wet Wash Laundry, 1001 Sixteenth St., has incorporated and changed its name to White Way, Inc. Incorporators are Harold W. Rose, president; Verna M. Rose and Joe A. McVay.

PLAINFIELD, N. J. — Maplecrest Laundry, Madison Ave. and W. Fifth St., has completed its new second-floor addition, which will be devoted to dry-cleaning.

UNION CITY, N. J. — White Rose Laundry, 22-27 W. 23rd St., was damaged by fire recently.

NORTHAMPTON, MASS. — Plans have been announced for alterations and additions to the laundry building at the Veterans Administration Hospital.

FRANKFORT, IND.—Mr. and Mrs. John H. Marsh, former owners of J-R Cleaners, have purchased Automatic Laundry from Robert Bauman.

EVANSTON, ILL.—After 64 years at 1012 Davis St., Nelson Laundry has been moved to 1572 Maple Ave., it was announced by J. Walter Nelson, president.

SUN PRAIRIE, WIS.—Prairie Laundry, operated by Mrs. Joe Mickelson, has been opened at 128 N. Bristol St.

DETROIT, MICH.—The formation of a new laundry has been announced by Nancy Dawson, president. The firm will be known as Dawson Industrial Laundry, Inc., and is located at 4643 Moran.

AURORA, ILL.—A new drive-in has been opened by Aurora Laundry and Dry Cleaners at Claim and N. Ohio Sts.

IRON MOUNTAIN, MICH. — Do-It Laundromat has been opened at 104 W. B St. by Mr. and Mrs. Charles Stehlik.

GALESBURG, ILL.—A new laundromat has been opened at 914 E. Main St., it was announced by Keith Briggs, manager.

MANSFIELD, OHIO — Al Alvarez, Crystal Clear Cleaners & Laundry, Lorain, has been elected president of the Ohio Laundryowners Association for

Back on the job in minutes

Case history of a connector breakdown:

10:00 A.M. *Steam connector needs replacing. Work stops.*

10:05 A.M. *Foreman brings in new* PRESSTITE* *connector from stockroom.*

10:10 A.M. *New* PRESSTITE *is quickly installed without special tools.*

10:11 A.M. *Work resumes.*

MORAL: order *extra* pairs of PRESSTITE steam connectors from your jobber now and keep them in stock for emergencies. They install in minutes . . . do away with long repair tie-ups that cut into profits.

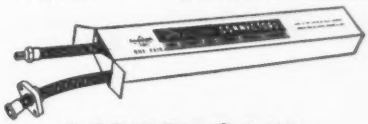
Chances are, your presses are already equipped with PRESSTITES, since 9 out of 10 press manufacturers install them as original equipment. So take a tip from the manufacturer. When replacement becomes necessary, use time-tested, dependable PRESSTITES. There's one available for every modern press made.

For older machines equipped with swing joints . . .

. . . modernize with American Flexible STEAMTITE* assemblies. They come in complete kits . . . install in a jiffy . . . do away with leaky pipes and joints. STEAMTITES fit single or double-port presses.

Your regular jobber stocks PRESSTITE and STEAMTITE connectors. To order, just give him your press make and model. He'll see that you get the right assembly. Write for Bulletin L-173R with selection chart to: *The American Brass Company, American Metal Hose Division, Waterbury 20, Conn. In Canada: The Canadian Fairbanks-Morse Co., Ltd.*

*Reg. U. S. Pat. Off. 53236 Rev.



AMERICAN

Presstite and Steamtite Connectors

an ANACONDA® product

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Denver Fire Clay Co.
Denver 17
Thompson-Hayward Chemical Co.
Denver 2

CONNECTICUT
Apothecaries Hall Co.
Waterbury 88

FLORIDA
Amica-Burnett Chemical & Supply Co.
Jacksonville 5

GEORGIA
Southern States Chemical Co.
Atlanta 1
Southern States Chemical Co.
Augusta

ILLINOIS
Carman-Conley, Inc.
Chicago 12
Standard Products Company
Chicago 12

INDIANA
Drake Supply Company, Inc.
Evansville 5
Carman-Conley Inc.
Indianapolis 23
Wm. Lynn Chemical Co., Inc.
Indianapolis 2

IOWA
Thompson-Hayward Chemical Co.
Carman Division
Davenport
Thompson-Hayward Chemical Co.
Des Moines 15

KANSAS
Thompson-Hayward Chemical Co.
Carman Division
Wichita 2

KENTUCKY
Merchants Chemical Co.
Louisville 12

MARYLAND
B.J. Howard Co.
Baltimore 2
Morris & Eckels Inc.
Baltimore 1

MASSACHUSETTS
Carman-Mitchell Wing Co.
Stoneham 80
Wm. G. Fitzsimmons, Inc.
Cambridge 40
Borden & Remington Co.
Fall River

MICHIGAN
The Ecclestone Chemical Co., Inc.
Detroit 7
P. B. Gast & Sons Co.
Grand Rapids 4

MINNESOTA
Thompson-Hayward Chemical Co.
Carman Division
Minneapolis 4
The Minnesota Chemical Co.
St. Paul 4

MISSOURI
Thompson-Hayward Chemical Co.
Carman Division
Kansas City 8
G. S. Robins & Co.
St. Louis 2
Thompson-Hayward Chemical Co.
Carman Division
St. Louis 2

NEBRASKA
Thompson-Hayward Chemical Co.
Carman Division
Omaha 8

NEW JERSEY
Norton & Williams, Inc.
Westfield
Washine-National Sands, Inc.
Lodi

NEW YORK
Chloral Chemical Corp.
Brooklyn 22
R. V. Davies Corp.
Brooklyn 7
Commercial Chemicals, Inc.
Buffalo 7
Gold Par Products Co., Inc.
New York 1
Whitman Supply Co., Inc.
New York 54
The H & W Chemicals, Inc.
Rochester 3
Scobell Chemical Co.
Rochester 10
Scobell Chemical Company
Syracuse

NORTH CAROLINA
F. H. Ross & Co., Inc.
Charlotte 1

OHIO
Merchants Chemical Co.
Cincinnati 25
Eton-Colby Chemical Co.
Columbus 16
Janton Company
Columbus 15

OKLAHOMA
Thompson-Hayward Chemical Co.
Carman Division
Oklahoma City 2
Thompson-Hayward Chemical Co.
Carman Division
Tulsa 3

PENNSYLVANIA
Wm. Barnett & Sons, Inc.
Philadelphia 46
James E. St. John
Philadelphia 32
Carman Pittsburgh Co., Inc.
Pittsburgh 24

RHODE ISLAND
Borden & Remington Company
Providence 1

SOUTH DAKOTA
Richards-Ewing Chemical Co.
Sioux Falls

TENNESSEE
Chapman Chemical Co.
Memphis 3
Chapman Chemical Co.
Nashville (address corres. to Memphis)
Chapman Chemical Co.
Chattanooga (address corres. to Memphis)

TEXAS
Thompson-Hayward Chemical Co. of Texas
Carman Division
Houston 13

VIRGINIA
Morris & Eckels, Inc.
Alexandria
Morris & Eckels, Inc.
Norfolk

WISCONSIN
Carman-Conley Inc.
Butler

Ask for Metso, made only by Philadelphia Quartz Company. Distributors listed

QUALITY PERFORMANCE
PRODUCED BY
METSO DETERGENTS
AND
METSO DISTRIBUTORS

All your formulas deliver quality work when Metso is your alkali. For average, heavy or extra heavy soil, you can count on Metso's prompt detergency action.

Count also on the performance of your Metso distributor (listed on this page). Call him for all laundry supplies. He is ready to assist you when you need advice on washroom procedures and to make deliveries of quality Metso Detergents.

Do you receive the helpful Question & Answer Data Sheets on washroom practice? Your distributor will be glad to add your name to the mailing list.

1831-1956
125th ANNIVERSARY

METSO DETERGENTS

PQ SOLUBLE SILICATES

PHILADELPHIA QUARTZ COMPANY
1160 Public Ledger Building, Philadelphia 6, Pa.

Associates: *Philadelphia Quartz Co. of Calif. Berkeley & Los Angeles, Calif., Tacoma, Wash.; National Silicates Limited, Toronto, Canada*

TRADEMARKS REG. U.S. PAT. OFF.

1956-57. Other officers installed at the annual meeting held in the Mansfield-Leland Hotel on September 19 are Ken Faig, Walnut Hills Laundry, Cincinnati, vice-president, and Jack Salzer, West End Laundry, Cleveland, treasurer.

PLEASANT HILL, MO. — Construction has begun on a new building on N. 7 Highway, which will house Adams Washerette and Laundry.

HAMMOND, IND.—A new addition has been constructed at American Home Laundry, Hohman Ave. and Michigan St., which will bring 5,000 more square feet of space to the firm's drive-in facilities. It will also house a new cleaning plant.

HALES CORNERS, WIS.—Plans have been announced for construction of a building on Highway 100, which will house Uptown Laundry and Dry Cleaners.

CANOGA PARK, CALIF.—Notice has been given of the intended sale of Canoga Park Laundromatic, 19758 Sherman Way, by Steve and Jean Dobie to Clarence and Erma May.

MERCEDES, TEX.—Erle's Laundromat, 600 S. Ohio, has added complete drycleaning service, it was announced by H. L. Erle, owner.

SANTA BARBARA, CALIF.—Mr. and Mrs. John Marvin have purchased Miramonte Laundromat, 20 W. Calle Laurelas.

LAS VEGAS, NEV.—Collar and Cuff Laundromat, located on Oakey, has been opened by George Olsen and Bud Schiffman.

STANTON, CALIF.—Mr. and Mrs. Joseph Michael have opened a launderette on Ceritos Ave.

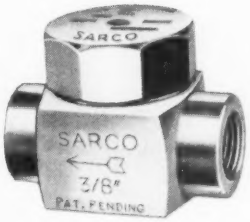
DAVIS, OKLA.—Some new equipment has been added at Durham Steam Laundry, it was announced by C. B. Durham.

PALOS VERDES ESTATES, CALIF. —T. O. McCasland has purchased U-Wash Laundry, 363 S. Main St., from Mr. and Mrs. O. T. Norton.

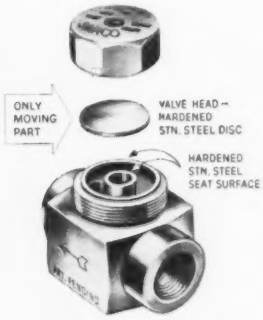
SEBASTOPOL, CALIF. — Mr. and Mrs. Baxter Kavanaugh have sold Sebastopol Laundry to Alex Stokes. The Kavanaughs plan to retire.

HERE'S HOW YOU CAN

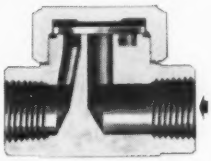
. . . *increase your output*
. . . *save fuel dollars*



ONLY 2 1/8 inches long!
Revolutionary new type steam trap . . . the Sarco TD Thermodynamic. Small body . . . install in any position!



Practically no maintenance for new Sarco TD steam trap. Only moving part is the valve disc. Only three parts: each of stainless steel!



Self-adjusting—same large capacity seat for 10 as for 600 psi! The 3/8" size has more than enough capacity for most units!

with the revolutionary new Sarco TD Thermodynamic Steam Trap

The new Sarco TD steam trap keeps steam heated equipment at steam temperature . . . by *immediately* discharging condensate, air *and* air-steam mixtures. The Sarco TD is the ideal steam trap for ALL steam-using units such as ironers, puffers, stills, tumblers and hot water storage tanks.

Practically no maintenance and trouble free—

- **Simplest design: cap, body and disc . . . that's all!**
- **No valve mechanism, buckets, levers, pins, gaskets, narrow channels.**
- **One moving part: the valve, a solid stainless steel disc.**
- **Only 3 parts: each of stainless steel.**

Low initial cost. Low installation cost. Unique design prevents reverse flow: no check valve needed. Compact. For example, 3/8" size is slightly larger than a 50-cent coin.

For all your working pressures, without head or seat change or any adjustment. The TD is suitable to 600 psi!

Large capacity—the 3/8" size will handle *all* the condensate from a unit using as much as 14 boiler horsepower at 100 psi! The 3/8" size has more than enough capacity for most of your steam using units. (Sizes 1/2, 3/4 and 1" also available).

60-DAY TRIAL CONVINCES . . . NO OBLIGATION . . . USE COUPON

SARCO

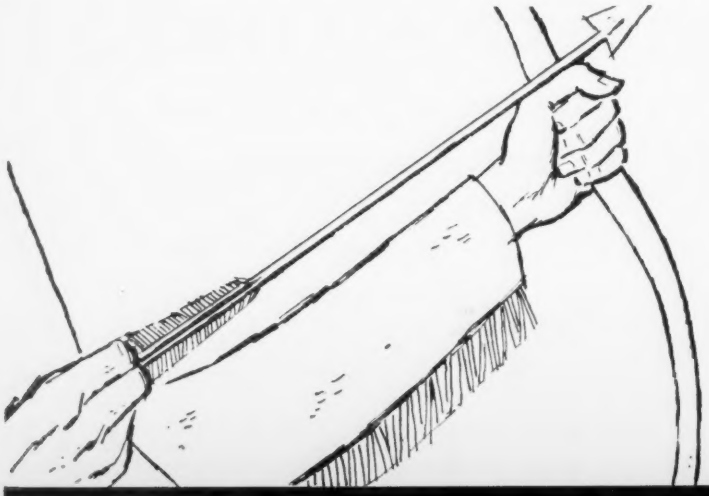
SARCO COMPANY INC.,
Empire State Bldg., N. Y. 1, N. Y.

☐ Please send a Sarco TD THERMODYNAMIC steam trap and strainer for 60-day trial installation. Size ____ Steam Pressure ____.

For use on ____

NAME ____ TITLE ____
COMPANY ____
STREET ADDRESS ____
CITY ____ ZONE ____ STATE ____

2176-F



Quality goes up

These Wyandotte alkalies permit cold-water

ARLAC or

You can have uniform color with striking whiteness, reduce rewashing to a minimum, save $$$ with cold-water rinsing — these advantages, and more, too, with Wyandotte ARLAC® or APACHE.®

Smart laundry operators know that *price-per-pound* is not the answer to profit . . . *low use-cost* is the solution! And low use-cost of supplies is made possible with ARLAC or APACHE.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Also Los Nietos, California. Offices in principal cities.

A soap builder for maximum soil suspension and whiteness retention. Promoted with CMC.

★ Excellent for use without soap on the break.

★ Permits cold-water rinsing.

★ Activates soap. Makes possible 20%-30% savings in soap.

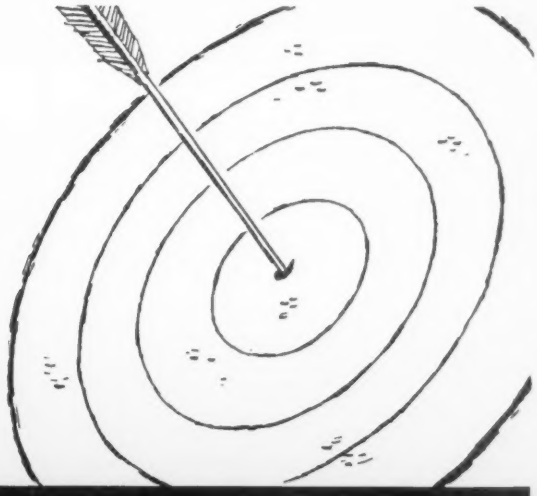
It's just good business to use

Wyandotte CHEMICALS

REG. U. S. PAT. OFF.

SPECIALISTS IN LAUNDRY

...costs go down!



rinsing without additive... save on fuel!

APACHE

A specialized alkaline detergent for washing heavily stained work in commercial and linen-supply laundries. Promoted with CMC.

★ Eliminates soap on the break.

★ Contains penetrating oils and phosphates for removing stains.

★ Permits cold-water rinsing.

one of these Wyandotte alkalies

J. B. FORD DIVISION

WASHING PRODUCTS

We suggest:

That you call in a Wyandotte man to *see* what Wyandotte ARLAC or APACHE can do toward producing high-quality work, at low use-cost, *in your plant*. It is his "first business" to be sure that you are pleased with the use of Wyandotte products. Call him, or drop us a line.

Try ARLAC or APACHE today!

High speed shirt finishing with that "hand ironed" look

Here's how the new Model-CT Formatic Unit carefully

SLEEVES accurately measured from cuffs to shoulders, *automatically* on Formatic Sleeve Finisher. Gives perfect finish to entire sleeve *including plackets.*

CUFFS next – regular or french. Both done quickly, easily, on Super-Zarmo Cuff Press. High pressure gives fast drying of heavy ply cuffs.

COLLARS carefully finished to insure neat appearance of "most seen" part of shirt. Direct-Upward pressure of Super-Zarmo Press dries collar quickly, thoroughly.

The American Laundry Machinery Company • Cincinnati 12, Ohio

With either 3 or 2 girls, the new Model-CT Formatic Unit is job rated to produce 50 shirts per hour per operator. For modest volume start with 2 girls. As volume increases, the Model-CT Formatic Unit can be instantly converted to a 3 girl operation—no change whatever in equipment, no repiping. Be sure to see our new motion picture showing the Model-CT Formatic Unit in operation with both three and two operators. Ask your American representative to show you this motion picture, or write.

finishes each part of a shirt at rates up to 150 per hour.

BOSOM-BODY-YOKE all three ironed in *one* fast operation on double-buck Formatic Press. Increases production, no separate yoke lay—prevents shirts drying out and wrinkling.

SHOULDERS Fast operating Shoulder Ironing Attachment (optional) gives extra quality touch. No *separate lay*, as shoulders are already in place.

FOLDING automatic! Trim, "hand ironed" appearance is carefully preserved. Makes uniform, conventional fold. Can be used for all kinds of shirts, with any type packaging.

You can expect more from American

Leading laundry operators

"I have given New Ad-Dri Bleach a thorough test and am convinced of its superiority over liquid bleach. Formerly I thought dry bleaches were not safe, but I have used New Ad-Dri Bleach on more than $10,000 worth of home laundry and find it to be completely safe to use. In addition, our experience has proven that New Ad-Dri Bleach turns out high quality work. I particularly like the consistency of strength and the ease of handling New Ad-Dri Bleach."

Mr. J. M. Mitcham, Superintendent
Stoddard Cleaners, Inc.
Atlanta, Georgia

"We like New Ad-Dri Bleach in our plant. It's so convenient to use, and it's a good stain remover, too."

Mr. Marvin James, Jr.
Istrouma Fabric Cleaners
Baton Rouge, Louisiana

"There's no mixing or messing with bleach preparations. I just put New Ad-Dri Bleach in my regular bleach operation in dry form, that's all."

Mr. Edward Croak, Manager
Selmier Peerless Towel and Linen Service
St. Louis, Missouri

"It's really simple to use New Ad-Dri Bleach. We just fill the Dri-Ader measuring cup to the proper mark and add it dry to our regular bleach operation."

Mr. Cecil C. Collins, Superintendent
Oak Park Cleaners and Laundry, Inc.
Tampa, Florida

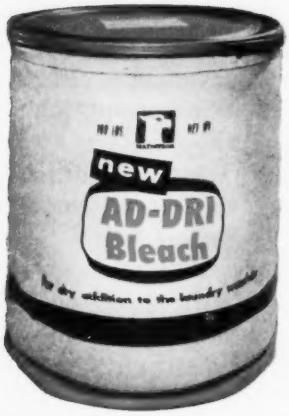
are sold on

new AD-DRI® Bleach

new AD-DRI Bleach is added dry to the bleach suds

new AD-DRI Bleach is added dry—right from the drum

new AD-DRI Bleach is easily measured in the handy Dri-Ader cup



New Ad-Dri Bleach is packed in 100-lb. Leverpak drums. Each drum contains a convenient Dri-Ader measuring cup.

AND THAT'S ALL THERE IS TO IT!

Here's the modern, convenient product designed to eliminate *the spillage and breakage, the time-consuming bother,* the guesswork and errors of "do-it-yourself" bleach solutions—New Ad-Dri Bleach.

It's as easy to use as putting in the soap. All *you* do is to add New Ad-Dri to the wheel at the beginning of your *normal bleach operation.*

New Ad-Dri does the rest! Turns out wash after wash with extra stain removal, maximum whiteness retention and *minimum tensile strength loss.*

Buy New Ad-Dri Bleach now and get controlled bleaching with no waste of bleach power. With New Ad-Dri, you'll see the difference for yourself at once—*the right bleach, the right amount, the right strength!* Order from your laundry supply house or write directly to us.

MATHIESON CHEMICALS
OLIN MATHIESON CHEMICAL CORPORATION
INDUSTRIAL CHEMICALS DIVISION • BALTIMORE 3, MD.

Ad-Dri® is a trademark

3700

BANISH YOUR WEARING APPAREL BUG-A-BOO

ONE OPERATOR at ONE STATION

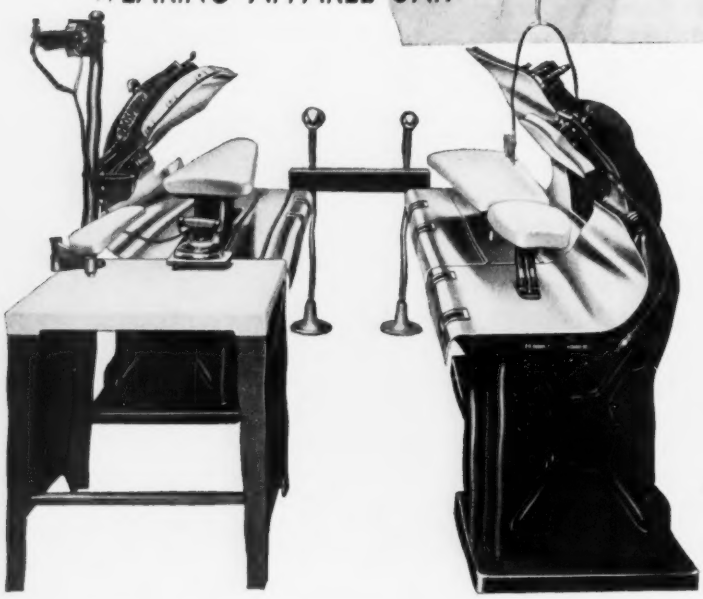
finishes every piece of Wearing Apparel regardless of material or styling

FINISH FOR MORE PROFIT

Costs in finishing WEARING APPAREL have been cut up to 50% with a

PROSPERITY

All-Purpose WEARING APPAREL UNIT



Conveniently arranged for sustained high production. All Prosperity facilities for faster, finer finishing.

- Buck shapes that do most and cut time on lays
- Steam and vacuum
- Sleeve Board
- Puffer Heads
- Electric Iron
- Spray Gun

WIRE or WRITE for Literature

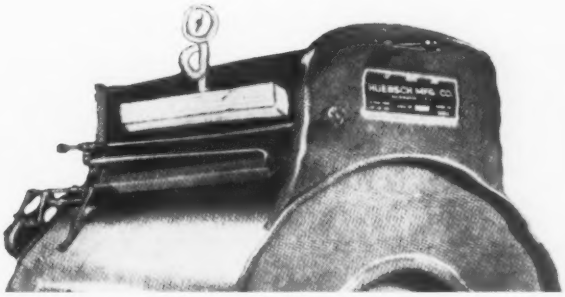
The **PROSPERITY**® *Company Inc.*

AUTOMATIC PRECISION PRODUCTION TOOLS for LAUNDRIES, SYNTHETIC CLEANING PLANTS and GARMENT MANUFACTURERS

Main Office and Factory, Syracuse 1, N.Y. Sales, Service and Parts in Principal Cities

Here Is the Attachment the Laundry And Cleaning Industry Everywhere Is Really Excited Over!

SMALL WONDER TOO!
YOU HAVE ASKED FOR IT!
YOU HAVE DEMANDED IT!
NOW, HERE IT IS!



PRICE ONLY $89.50—5 YEAR GUARANTEE

HOW IT WORKS

The AER-PAK works on the principle of treated air. Live steam is admitted to one end of the AER-PAK. As the steam passes through, a certain amount is drawn off and treated with an amazing new chemical which has been processed into the vitals of the AER-PAK unit, and then turned into treated air vapor. This air vapor is passed over the coil as a blanket by a metal tube. The tumbler, when in operation, draws the air vapor into its coil. This process makes it possible for the AER-PAK to really perform miracles. There are no moving parts in the AER-PAK, and absolutely nothing to wear out.

WHAT IT DOES FOR YOUR PLANT

1. ELIMINATES ALL LINT. The AER-PAK unit completely eliminates all lint. Mix your darks and lights together, run sweaters with your blue serge and gabardine suits and dresses, even blankets. You'll never get any lint.

2. ELIMINATES ALL ODORS. Clothes come out of the tumbler with no odor. No more naphtha odor.

3. ELIMINATES SHRINKAGE IN TUMBLER. Clothes may even be put in a hot tumbler without shrinkage. They will not shrink with the AER-PAK unit on your tumbler.

4. ELIMINATES ALL WRINKLES. Add more moisture to your system. Extract clothes bone dry. With the AER-PAK unit, they come out of tumbler smooth, not a sign of a wrinkle. Colors are brighter, and garments are twice as easy to finish.

5. ELIMINATES ALL STATIC ELECTRICITY. All static is gone completely. You will never have it with the AER-PAK unit.

6. REDUCES FIRE AND EXPLOSIVE HAZARD. This is natural because you never have lint or static any more.

7. CUTS DRYING TIME IN TUMBLERS AT LEAST 50%. This is a proven fact. No matter what your drying time is now, reduce it 50% with the AER-PAK unit. Your saving in electricity will pay for the unit in a short time. This automatically gives you two tumblers for every one you now have.

This unit has been tested thoroughly in leading plants and is completely guaranteed to perform as stated in every way. Get this amazing little unit and relieve yourself of all of these problems at once.

EASY TO INSTALL ON ANY DRYCLEANING OR LAUNDRY TUMBLER

The DYER COMPANY

Box 699, Carrollton, Texas

Jobber Inquiries Invited

THE DYER COMPANY
Box 699, Carrollton, Texas

☐ Send me full information on AER-PAK with no obligation to me.

☐ Enclosed is (check-M.O.) of $89.50 for my AER-PAK TUMBLER UNIT. (Money cheerfully refunded if you are not completely satisfied with results.)

NAME _____

PLANT _____

STREET _____

CITY _____ STATE _____

51056

National...

THE ONLY

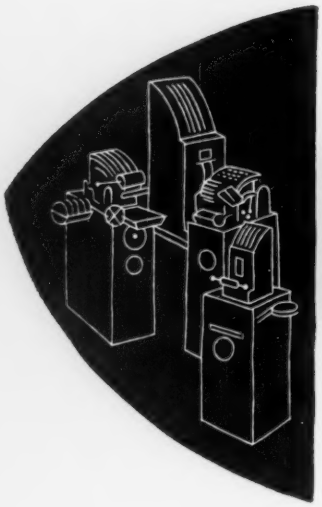
one

THAT GIVES YOU ALL

three

Nearby distributors

. . . guarantee quick competent service. Over 300 National distributors all over the country are ready and anxious to study your requirements with you.



The most complete line

. . . of over 20 marking machine models—from hand-operated to completely air-driven types. No matter what your plant capacity, no matter what your specialty, your National representative has a machine exactly suited to your needs.

Exclusive marking systems

...are yours from National, whether you want two characters or sixteen, industrial, linen, institutional, or family-type identification, visible or invisible ink, thermoplastic tape or direct marking systems. There's a *right National system* for you. Your National man will be glad to help you select it.

Why not spell out your problem in a letter to National today. Without obligation, you'll receive interested, capable assistance, based on National's 51 years of experience in the industry.

THE National MARKING MACHINE CO.
4026 CHERRY STREET • CINCINNATI 23, OHIO

National Marking Machines and Conveyors are preferred by better plants the world-over!

three simple lays on AJAX Supermatic SHIRT UNIT

PRODUCE THE PERFECT SHIRT

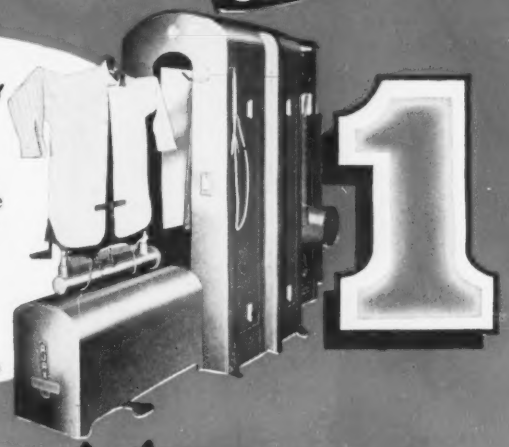
AJAX

Model CBBY

CABINET BOSOM-BODY YOKE PRESS

Completely finishes the front, back, and yoke in one lay automatically in 15 seconds, with perfect quality • **Easy to Load** • **Easy to Train New Girls** • **All Steel Construction for Dependable Service** • **Exclusive AJAX High Velocity Heads for Fast Drying**

PATENT PENDING



1

AJAX

Model CS

CABINET SLEEVE PRESS

Superbly finishes both sleeves in one lay — automatically — in 7 or 8 seconds • The exclusive "Magic-eye" seam indicator permits instant adjustment for any size sleeve • Faultless finishing from cuff seam to shoulder seam • High velocity heads and fully heated bucks for fast drying.

PATENT PENDING

2

AJAX

Model CCW

COLLAR AND CUFF PRESS

Completely finishes both cuffs and collars in one lay with superb quality. Equipped with exclusive AJAX HI-VELOCITY HEADS for fast drying. Designed for years of continuous performance. Every piece of goods gets extra-fine, lustrous finish that customers appreciate.

3

TWO GIRL LAYOUT

(Floor plan of machines)

AJAX

Laundrymen see them and buy them 2, 3, and 5 units at the time!
Write, wire or phone for complete information. Each of these models can be added individually or as a unit. Conversion diagrams sent free on request.

Western Laundry Press Co.

619 SOUTH 5th WEST • SALT LAKE CITY, UTAH

MANUFACTURERS OF AJAX PRESSES SINCE 1929

CLASSIFICATION PROBLEMS go up in smoke.....

with

LESTOIL

LIQUID DETERGENT

- HEAVILY SOILED SUMMER CLOTHES SLATED FOR WINTER STORAGE?
- PLAY GARMENTS IMBEDDED WITH GRIME AND DIRT?
- HEAVY WORK CLOTHES COVERED WITH GREASE AND OIL?
- HOUSEHOLD ARTICLES STAINED WITH KITCHEN GREASES AND ALL OTHER SOIL?

Use LESTOIL, liquid detergent, in the break with one-shot or standard formulas. LESTOIL washes out ***ALL*** types of soil in ***ALL*** classifications.

LESTOIL — is all season — all purpose

Perspiration soil, grease, grime, grass stains, tar — any hard to remove soil is effectively combatted by adding only 5 ounces of LESTOIL to each 100 pounds of work (dry weight). ***NO NEED*** of ***EXCESS*** alkali and bleach to do a quality job. LESTOIL is safe for every fabric — equally effective in hot or cold, hard or soft water. Works wonders where gentle frictional action and cool water are required.

COLORS BRIGHT AS AUTUMN LEAVES

No re-depositing of soil with LESTOIL — all dirt rinses out easily. LESTOIL gives you excellent detergency — the most important factor in the whiteness retention and cleansing ability of your formula. You'll be pleased with the snowy whites, the fresh sparkling colors produced by LESTOIL. LESTOIL ***guarantees*** brighter, whiter, sweet-smelling, really clean fabrics.

RAKE IN FALL BUNDLES WITH LESTOIL

LESTOIL, the liquid detergent with built-in versatility is just what you need for successful, professional laundering. The LESTOIL-wise laundryman knows that LESTOIL in the break produces quality bundles that bring satisfied customers back again and again. Why don't ***YOU*** try LESTOIL — it will result in satisfied customers and a harvest of good profits for you this fall.

For information call your nearest supplier or write for a generous free sample to:

ADELL CHEMICAL COMPANY

HOLYOKE, MASSACHUSETTS

Serving the Laundry Industry for twenty-three years.

LESTOIL GIVES YOU A BETTER BREAK

Monarch equipped Laundries are producing Profits everywhere

Monarch equipped laundries profitably prove that specialized quick service laundry equipment, properly merchandised, will increase volume on all family laundry services. Monarch equipped laundries show surprisingly high profits for a fraction of the operating expense of other equipment. Monarch's staff of quick-service laundry specialists is your assurance of a profitable business the modern Monarch way. Monarch's proven result-producing promotional service and its factory-trained field representatives in key locations throughout the country are ready to serve you at any time.

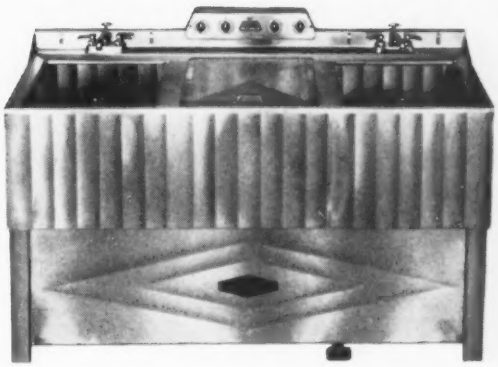
- **Heavy gauge stainless steel**
- **Capacity to 120 Lbs. per hour**
- **Does not have to be bolted down**
- **Replaces 8 domestic type washers and one extractor**
- **G.E. factory warranted motors**

MONARCH
LAUNDRY MACHINERY CORP.
FORT LAUDERDALE
FLORIDA

MONARCH LAUNDRY MACHINERY CORP.

"ORIGINATORS OF SPIC 'N SPAN QUICK SERVICE LAUNDRIES"

P. O. BOX 620 **FORT LAUDERDALE, FLORIDA**



Monarch's exclusive *2 Speed extractor* and the *Delicate Fabric Cycle* make Hi-Lo America's most efficient and versatile washer-extractor combination. Mail the handy coupon for interesting folders describing the Hi-Lo washer and Spic 'N Span laundries.

MONARCH LAUNDRY MACHINERY CORP. SLJ 10
P. O. BOX 620, FT. LAUDERDALE, FLA.

YES! I WANT TO KNOW MORE ABOUT THE NEW MONARCH "HI-LO."

This places me under NO obligation

NAME _____

ADDRESS _____

CITY _____ STATE _____

☐ WE HAVE A LAUNDRY ☐ WE ARE STARTING A NEW LAUNDRY

Get whiter loads quicker with the ORIGINAL CALLAWAY KNITTED NYLON CALLANET

Here's why:

1 Thickest "bleach-resisting" yarn

2 Provides streamlined, lightning-fast pinning

3 Day-light mesh that won't "fog up," lintless

4 Free passing of insolubles, quicker, whiter loads

5 Faster dumping without reversing

6 More pounds per wheel—bigger pay loads

7 Labor saving—time saving—space saving

8 Available in solid colors or with colored overedging

9 Available with or without grommets

For economy's sake—compare our laundry net prices by *weight*.

Leading laundries all over the country are clamoring for Callaway Callanets, the strongest, easiest-to-handle, most efficient and durable laundry nets ever. An investment in Callaway Callanets means more "net" profits for you in your business. Contact your Callaway representative for your test order and see how you can get the best for the least.

*Reg. U. S. Pat. Off.

Callaway Mills INC.

SALES SOLICITORS

295 Fifth Avenue, New York 16, N. Y.

Chicago 54 • Boston 11 • Detroit 1 • Atlanta 3 • Akron 8

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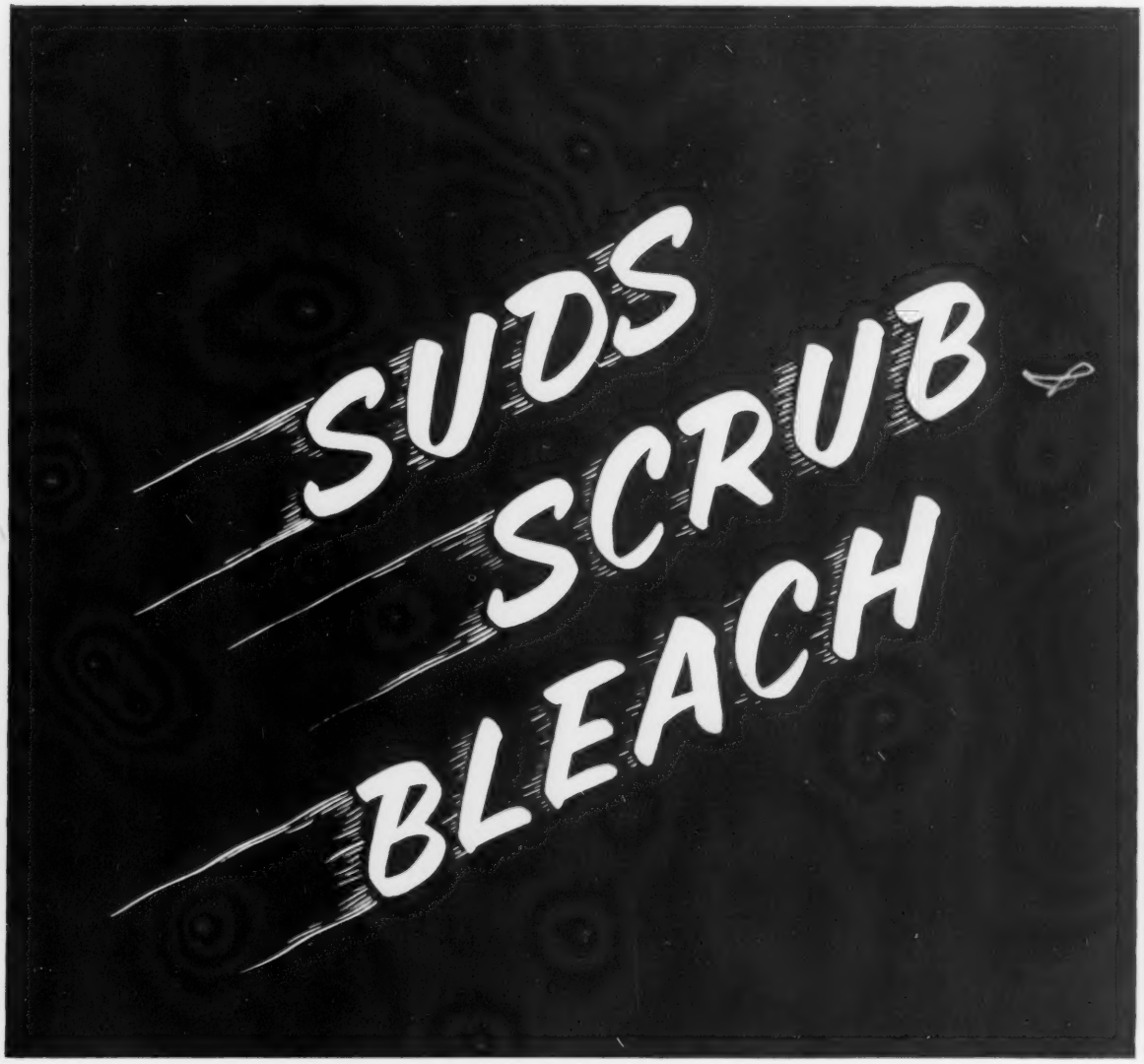
Towel Ensembles • Rugs and Carpets
Laundry Textiles • Terry Mats



BETTER WASHING . . . FASTER!
with PRIME SOHP and PHOSRITE

SUDS . . . PRIME SOHP is scientifically built and homogenized . . . the right balance of soaps and alkalies . . . this single operation removes most of the soil, preparing the load for the scrub.

SCRUB . . . PHOSRITE "wash accelerator" joins forces with PRIME SOHP carried over from the suds . . . scrubs out deeply imbedded soil . . . prepares the load for bleaching by dissolving any lime soap present in the goods.

BLEACH . . . Dry (HYCON) or liquid . . . you use less and get better results safely because PHOSRITE removes lime soap which acts as a barrier to bleach.

This new method saves up to 15 minutes on every load . . . saves soap and bleach . . . and gives you uniformly perfect washes every time.

Order PRIME SOHP, PHOSRITE, and HYCON from your distributor

Beach Soap Company · Lawrence, Mass.

129 Years Continuous Progress in Manufacturing Fine Laundry Products

"Now, our rug-cleaning volume exceeds in one day what we used to do in three weeks"

Great News!

. . from Jesse Prising, Cherokee Laundry & Cleaners, Inc., Louisville, Ky. "When we realized how much added business rug cleaning could bring in we decided to go after it. We gained some business, but it didn't grow as expected, and repeat business was particularly small. Then we re-evaluated the situation — studied our equipment, and found our problem. 'DRYING' washable rugs was the most IMPORTANT phase of the operation, and the tumbler we were using *wasn't* doing the job. Drying took too long, scorching and shrinkage was a steady problem, and the finished rugs just didn't have the 'new look' the customer wanted.

"Then we installed a 100 lb. Cissell Steam-Heated Tumbler. In it we can quickly dry four or five 9′ x 12′ rugs in a single run. The big drop and the reversing cycle of the 42″ x 42″ Cissell Basket restores the fluffiness and the original look the customer appreciates. And, best of all, Cissell's great 8-STAGE HEAT CONTROL enables us to do a top-notch drying job . . . not only on cottons, but synthetics and wools as well. And dyeing rugs . . . then drying them in a Cissell Tumbler is one of our specialties, too."

If you're prepared to wash rugs, here's the Tumbler that will put you in the rug-cleaning business!

Today, washable rugs are used more than ever before. When laundering is necessary the housewife turns to you. Equip your plant for this increasing business. Step up your volume and profits!

W. M. CISSELL MANUFACTURING CO., INC.
LOUISVILLE 1, KY.

Pacific Coast Office: 4823 W. Jefferson Blvd., Los Angeles
Foreign Distributors write Export Dept. — Cable Code "CISSELL".

Consult your Jobber

CISSELL 8-STAGE HEAT CONTROL

positively maintains desired temperature — takes but a second to set and re-set. Think what this control means in drying rugs! No more scorching or shrinkage due to excessive heat.

Get your share of the *Profitable* RUG CLEANING BUSINESS

One of Cherokee's Weekly Ads featuring Rug Cleaning

Cherokee now has
NEW EQUIPMENT
for all sizes in
WASHABLE RUGS

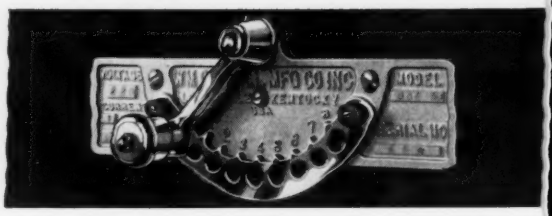
New, original beauty restored. Ask about our dye service on rugs.

Guaranteed *Odorless Cleaning* *All Garments Moth* Proofed Free of Charge

Bring Your Cleaning With Your Laundry . . . They Go Together!

City-Wide Pickup and Delivery

CHEROKEE
LAUNDRY & CLEANERS, INC.



"Drying was our problem and we conquered it with **A BIG 100 lb. CISSELL STEAM-HEATED LAUNDRY TUMBLER** with 8-Stage Heat Control"

• • *Says*
Jesse Prising
Cherokee Laundry
and
Cleaners, Inc.
Louisville

CISSELL

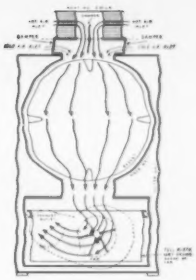
42" x 42" STEAM-HEATED LAUNDRY TUMBLER

WITH REVERSING BASKET AND 8-STAGE HEAT CONTROL

All the features you want and need . . . Large volume of air for fast drying . . . Separate fan and basket motors . . . Cissell-built Gear Reducer for quiet, long-life operation . . . Simple maintenance — all parts accessible.

Rugged, No-Sag Basket *needs no auxiliary support. Double walls* add strength — greatly reduce *heat loss.*

Cissell Gas-Fired or Steam-Heated Laundry Tumblers: Double Basket "Twin"; Single Basket 36" x 18", 36" x 30", 42" x 42". Cissell Steam-Heated Drycleaning Tumblers: Single Basket 36" x 18", 36" x 30", 42" x 42".



a good break

for any formula...

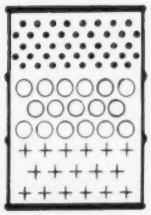
AND TOPS AS A BUILDER, TOO—

PENSAL

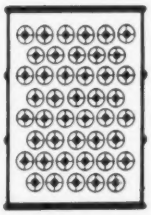
SILICATED alkali—one of the active ingredients of PENSAL®—suspends more soil, conserves soap far better than caustic soda products. In break or soap tank, on all types of soil, Pensal's controlled detergency results in uniform, *thorough* washing of every piece—and *that* spells satisfied customers *for you.*

COMPARE PENSAL with any other alkali! Pound for pound, Pensal goes farther—often more than twice as far. That's one reason why Pensal has been used so long by progressive, profit-minded laundry operators.

Call your Pennsalt Laundry Distributor for more facts about washroom savings with Pensal and other Pennsalt laundry supplies. Or write Laundry & Dry Cleaning Dept. 288, Pennsylvania Salt Manufacturing Company, Three Penn Center Plaza, Phila. 2, Pa.



IN ORDINARY DETERGENTS, particles may shift and settle while still in the drum, making for uncertainty from charge to charge in break or soak tank.



IN PENSAL, ingredients are fused into homogeneous, dust-free particles, uniform throughout the drum; this uniformity makes every break and suds operation consistently thorough.

FROM FIBER...
TO FABRIC...
TO LAUNDERING—

Pennsalt has the know-how!

Technical service and products for

Laundries	Dye Houses
Dry Cleaners	Bleacheries
Institutions	Finishing Plants

Textile Mills

Pennsalt Chemicals

"Plenty of starch in the ole gal yet"

1935 Ford panel is still in service after 21 years

350,000-mile veteran sparks 172-Ford Laundry Fleet

Southern Service Co. Ltd. of Pomona, Calif., operates 172 Ford F-100 panels from 29 laundry and dry cleaning plants throughout southern California. One Ford, a 1935 model, is still making the daily rounds after 21 years and more than 350,000 miles of dependable service. This amazing record has proved to Southern Service, a Ford user since 1919, that Ford trucks cost less and last longer.

Ford will spark profits for you, too. Ford's new 8-ft. panel truck features 155.8 cu. ft. of cargo space for payloads up to 1,535 lb. Two new Short Stroke design engines—167-hp V-8 and 133-hp Six—are designed to give you more efficient power and greater gas savings.

Big rear doors, solid plywood floor and specially sealed joints give maximum loading convenience and provide better load protection. Fordomatic Drive and Power Braking (at low extra cost) take the work out of stop-and-go driving.

Whatever your delivery requirements, your Ford Dealer is ready to show you why Ford trucks are your best buy.

Leadership styling, spacious driver's compartment, all-steel body reinforcing—these features and many more make the '56 Ford F-100 panel worth more to Southern Service Co., Ltd.

FORD TRUCKS COST LESS - LAST LONGER

HOYT

Reclaimers and Dryers for every requirement . . . handle all loads from the smallest to the largest!

RECLAIMERS

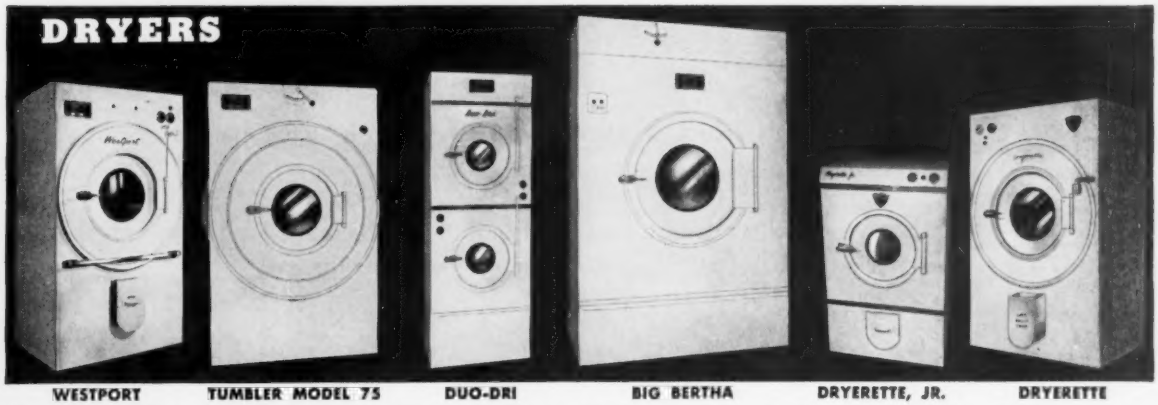
SUPER-FAST SOLVO-MISERS
This series cuts reclaiming cycle up to 50% . . . keeps pace with the cycle of any drycleaning machine on the market.

SOLVO-MISER 75
75 lb. cap. d.w. of this unit permits it to handle large volumes of work most economically and fast. Also available as a Super-Fast unit.

REGULAR SOLVO-MISER
Famous reclaimer available in three sizes with cap. from 20 to 50 lbs., d.w.

SOLVO-MISER MODEL 4518
Big-capacity (37-47 lbs. d.w.). Goes through a 36" doorway. Automatic timing system. Also available as a Super-Fast unit.

DRYERS



WESTPORT
All operating controls conveniently located on front panel. Just set timer and drying cycle is automatically completed at temperature desired. (Cap. 40 lbs. d.w.).

TUMBLER MODEL 75
75 lb. d.w. cap. laundry and drycleaning tumbler. Other sizes available.

DUO-DRI
32 lb. d.w. cap. (twin dryer — 16 lb. per unit. Separate automatic controls and heaters.)

BIG BERTHA
110 lb. d.w. cap. laundry and drycleaning tumbler.

DRYERETTE, JR.
16 lb. d.w. cap. Available for gas, electric, or steam. Automatic controls. Can be supplied coin metered. Ideal spotting tumbler.

DRYERETTE
27 lb. d.w. cap. Automatic controls. Can be supplied coin metered.

We specialize exclusively in dryers and drying reclaimers. Our machines *are the last word* and set the pace for the Industry.

HOYT MANUFACTURING CORP.
Westport, Massachusetts

Please send me information on the following Hoyt machines:

RECLAIMERS
- ☐ Super-Fast Solvo-Misers
- ☐ Solvo-Miser 75
- ☐ Regular Solvo-Miser
- ☐ Solvo-Miser No. 4518

DRYERS
- ☐ Westport
- ☐ Tumbler Model 75
- ☐ Duo-Dri
- ☐ Big Bertha
- ☐ Dryerette, Jr.
- ☐ Dryerette

Name.....

Company.....

Address.....

because Hoffman has planned the scientific way to meet your drycleaning and pressing requirements, you can now

choose the

HOFFMAN PROFIT PLANT

that's right for you!

Are you interested in more profits?

Are you sending your work out, yet wishing you could strengthen your profits by offering faster service and finer quality with *your own on-the-premises* drycleaning?

Are you thinking about a new location?

Are you doing your own cleaning while wanting to modernize your plant, and looking for the best ideas on how to go about it?

Are you a wholesaler or chain operator teeling the pinch of unit-plant competition, and recognizing that the unit plant is the answer to your problems?

If your answer to any of these questions is "yes"—or even "maybe"—then you owe it to yourself to find out more about HOFFMAN PROFIT PLANTS.

The Hoffman Profit Plant is a startling new concept in the drycleaning field. It offers you exactly the right choice of operation for *your* premises, based on the amount of profit you want to make every week!

It offers you new efficiency, by coordinating the drycleaning functions of your new plant. And that inevitably means higher profits.

And then there are the Hoffman extras that go with your Hoffman Profit Plant. Such extras as:

- A complete layout of your plant.
- Authoritative service on location, zoning, advertising, merchandising, modern efficiency techniques, store fronts and interior design.
- **And most important—the confidence in doing business with your authorized Hoffman distributor, a man who is interested in the success of your business — *for the life of your business.***

For weekly gross incomes from $500 to $3,800 and featuring exclusive "Jet" process cleaning, synthetic or petroleum solvent, single or two-bath.

THE 20TH CENTURY SERIES*
THE CONSTELLATION SERIES*
THE COMMANDER SERIES*
THE OLYMPIAN SERIES*
THE PREMIERE SERIES*
THE MEDALIST SERIES*
THE EXECUTIVE SERIES*

Indicated here are a few of the wide and varied selection of Hoffman Profit Plants from which you can choose the kind, the size, to suit your particular needs. Mail the coupon below for *all* the money-making details. There's no cost or obligation.

U. S. HOFFMAN MACHINERY CORP.
105 FOURTH AVENUE, NEW YORK 3, N. Y.

*Trade Mark

To: **U. S. HOFFMAN MACHINERY CORPORATION**
Box #11 105 Fourth Avenue, New York 3, N. Y.

I'm interested in your new Hoffman Profit Plants. Please send me further information, with no obligation, at no cost.

NAME _____

ADDRESS _____

CITY _____ STATE _____

Here's photographic proof!

Towels come out nearly twice as fluffy when you add new Velva-Soft to your final rinse!

It's a new Armour discovery! Gives every fabric you wash—natural or synthetic—a luxurious, soft finish never before possible!

This is an actual, unretouched photograph. The seven towels on the left were washed and given an ordinary rinse. The seven identical towels on the right were washed in the same way—but rinsed in new VELVA-SOFT! Notice the amazing difference. It's a difference you can *see* and *feel* and *sell!* And the cost to you is only a fraction of a cent per customer!

New VELVA-SOFT gives *everything* you wash this soft-as-velvet finish! Starched shirts won't chafe or scratch. Rough muslin sheets feel like costly percale. What's more, clothes last *longer!* When people hear about these amazing VELVA-SOFT benefits, you'll get new customers! And your regular customers will be sending bigger—and *more*—bundles than ever!

It makes your washing operations easier! A VELVA-SOFT finish resists dirt and grease, so clothes come clean quicker—you'll have fewer re-runs. VELVA-SOFT works well on *all* fabrics. And since VELVA-SOFT treated fabrics are practically static free, the shake-out period is shorter—ironing easier. Fabrics are easier on employees' hands, too—a VELVA-SOFT finish protects against roughness. It's no extra work—just add VELVA-SOFT to your final rinse.

Easy to merchandise! Armour has a wealth of merchandising aids to help you sell the benefits of a VELVA-SOFT finish. Call your Armour Industrial Soap Department district representative for quick service. Or, send coupon for further information.

©ARMOUR AND COMPANY

MAIL THIS COUPON NOW!

Armour Soap Division, Industrial Soap Department
1355 West 31st Street, Chicago 9, Illinois

- ☐ Please have representative call and explain the VELVA-SOFT PROFIT PACKAGE.
- ☐ Send free VELVA-SOFT booklet and price information.
- ☐ Please send me trial order (with a money-back guarantee) of new VELVA-SOFT with BLU-BRITE—125 lb. drum @ $27.50.

☐ Check ☐ Money Order ☐ Bill Me

SL 10

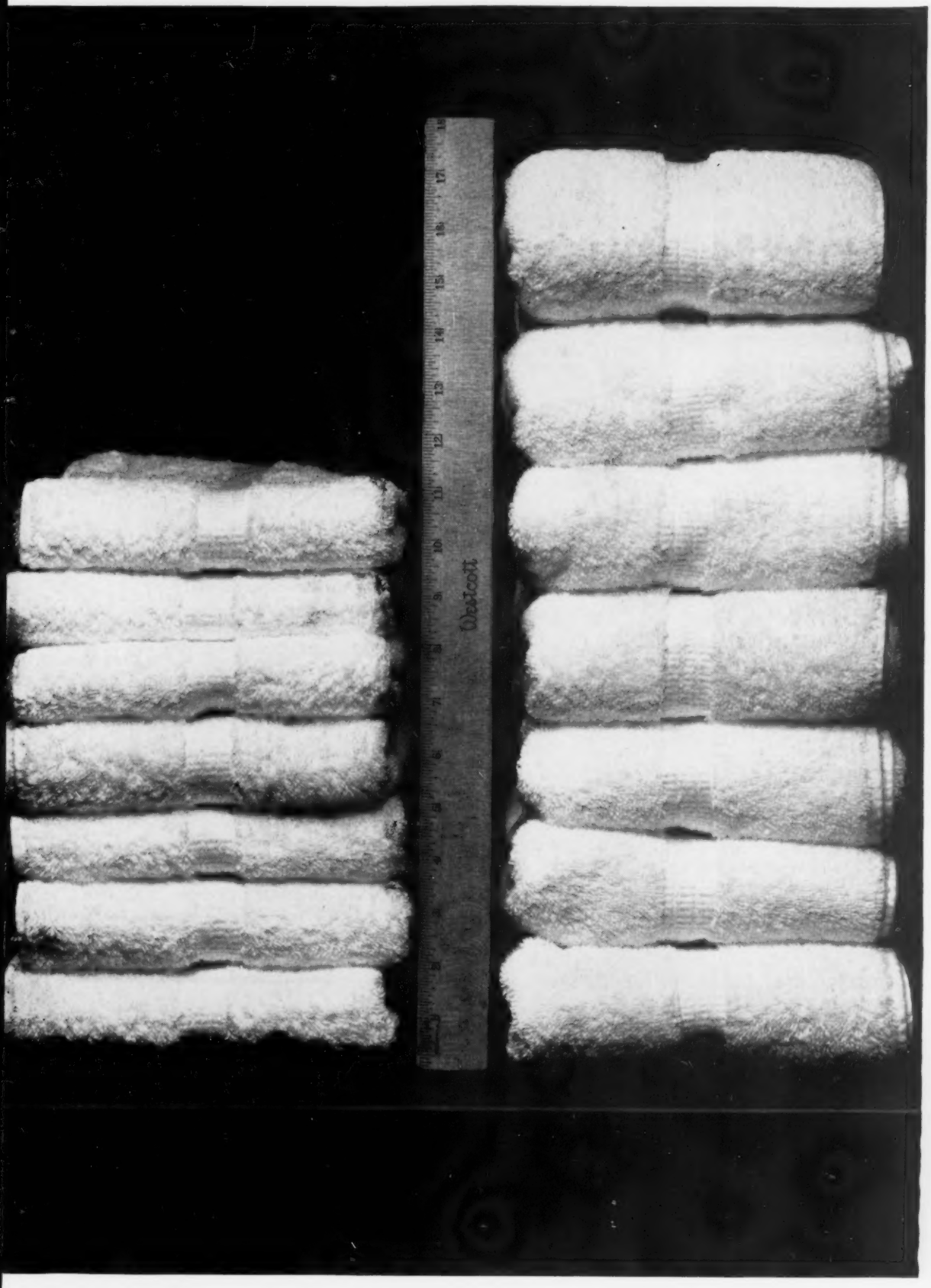
NAME _____

ADDRESS _____

FIRM _____

CITY _____ ZONE _____ STATE _____

ARMOUR *Soap Division*
INDUSTRIAL SOAP DEPARTMENT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These helpful booklets

Can Show YOU HOW To:

- ▶ ***Solve special problems***
- ▶ **Train new help**
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1. "How To Clean Cotton Rugs" ..... $ .25
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5. "Guide to Plant Layout" 1.00
   making the drycleaning plant more efficient
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   the complete job on all types of garments
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    complete textbook on cleaning, repairing and remodeling furs.
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    how to sell more drycleaning service

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5-10

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and put them to work as textbooks in building business improving production increasing their profits!

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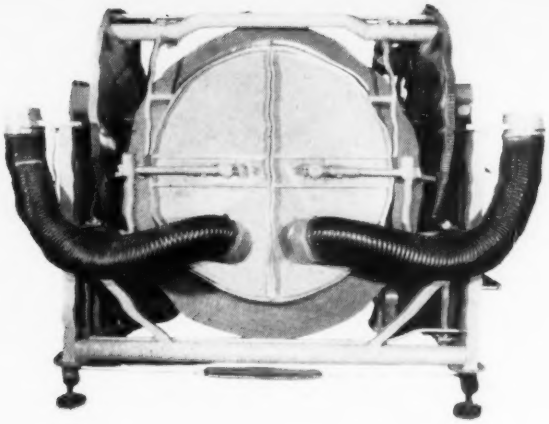
ABC-ABP

Purkett PCTs* have had to be good to serve these Laundries without complaint



and the new 72" does a 50% still Better Job!

The sensational improvements in the new 72" PCT* make it positively essential for top operating efficiency in large flatwork and garment conditioning operations.

For example. You can now remove 20% moisture content in only 5 minutes tumbling time . . . you have 35% more heating coil surface (the 9-ring size is still available for those preferring it). New 8" vents eliminate the heat and lint output menace. The new 5" Blower is more powerful, delivering 1750 C.F.M. And you never saw such a stingy power user . . . only 7 B.H.P. per hour.

These and other features described in a new folder which will be sent gladly upon request. Purkett's Consulting Service is available without obligation to help you solve your conditioning problems.

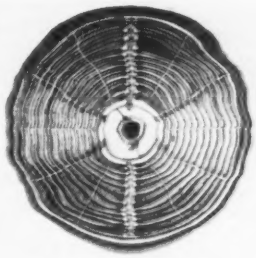
***Pre-Drying Conditioning Tumbler.**

Naturally it's a PURKETT

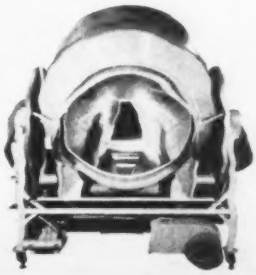
PARTIAL LIST OF USERS OF PURKETT PRE-DRYING CONDITIONERS

American Institute of Laundering	Joliet, Ill.
American Laundry	Bryan, Texas
A & F Steam Laundry	Brooklyn, N. Y.
Cascade Laundry	Klamath Falls, Ore.
Cleanart, Inc.	Yonkers, N. Y.
Hotel Owners Laundry	San Francisco, Calif.
Lake City Laundry (2)	Chicago, Ill.
Morgan Laundry	New York, N. Y.
Madison Textile	Bronx, N. Y.
Mayflower Laundry (2)	New York, N. Y.
Merced Laundry	Merced, Calif.
Matthey Laundry	St. Louis, Mo.
Morgan Laundry	Buffalo, N. Y.
Natatorium Laundry	Ft. Worth, Texas
National Laundry	Washington, D. C.
New Method Laundry	Laramie, Wyo.
Pierce Steam Laundry	Brooklyn, N. Y.
Peerless Laundry	Oakland, Calif.
Peerless Laundry Ltd.	Vancouver, B. C.
Premier Laundry	Bronx, N. Y.
Premier Laundry (2)	N. Bergen, N. J.
Reardon Laundry	Atlantic City, N. J.
Royce Superior Laundry	Springfield, Mass.
Royal City Laundry	New Westminster, B. C.
Splendid Laundry	Detroit, Mich.
Silver Laundry	Kansas City, Mo.
Spalding's Laundry	Louisville, Ky.
Troy Laundries (2)	Seattle, Wash.
U. S. Marine Corps Base	Camp Pendleton, Calif.
U. S. Naval Station	San Francisco, Calif.
U. S. Naval Training Center	Great Lakes, Ill.
U. S. Naval Training Center	Bainbridge, Md.
Woolf Brothers Laundry	Kansas City, Mo.

and Many, MANY more satisfied Laundry users



35% more heating surface with the new 12-ring coil construction.



Unloading position shows powerful 5" Blower; also removable cleaning "door" to get to coils.

Purkett equipment is sold by ALL Major Laundry Machinery Manufacturers and by

PURKETT MANUFACTURING COMPANY
Joplin, Missouri
DEPENDABLE PRE-DRYING CONDITIONING TUMBLERS

DOW

they sure pile up . . .

Money-making family bundles follow the shirts made *whiter* by soap building with Dow Sodium Orthosilicate

Laundry owners have known for years that outstanding shirtwork brings in the profitable family bundle. Soaps, bleaches, starches, finishing equipment . . . you weigh them all in regard to producing consistently finer, brighter shirtwork. But you're *still* overlooking a bet if you haven't tried Dow Sodium Orthosilicate, the high-alkaline soap builder.

This superb cleaning compound first builds your soap's sheer washing power . . . and works on its own in highly specialized ways, too. Dow Sodium Orthosilicate neutralizes soil acidity . . . saponifies fats and oils . . . suspends insoluble soil and prevents its redeposition . . . rinses easily from the work. And a little goes such a long way; soap costs are sharply cut. The end result, of course: the brightest shirtwork you've ever had.

For detailed information on advantages and use, get a free copy of the new Dow Sodium Orthosilicate booklet. Call the Dow sales office near you or write direct to THE DOW CHEMICAL COMPANY, Dept. AL 763L, Midland, Michigan.

you can depend on DOW CHEMICALS DOW

Leffel Boilers Pass The Acid Test:

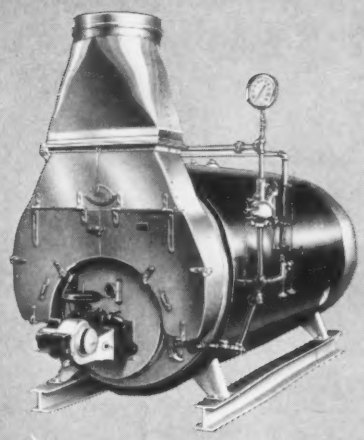
". . . we have been in the boiler business for nearly fifty years, and the only repair work we have ever done on a Leffel Scotch Marine Boiler has been due to human failing, and not to mechanical failure. The Leffel Scotch Marine Boiler is without a doubt the strongest and most trouble-free boiler built."

Mr. J. J. Bower, President
J. J. Bower Company, Inc.
Roanoke, Va.

No man is in a better position to judge boilers than the man who services and repairs all types and makes. It pays to listen to a man like J. J. Bower for his is the voice of authority and his words are backed by nearly a half-century of experience. In the brief statement above, Mr. Bower cuts away all the claims and promises of most of today's boiler advertising and tells you why *you* should rely on Leffel boilers for your steam requirements.

For more details on why you can count on rugged, reliable Leffel boilers for long life and dependable service, write today for your free copy of Bulletin 236.

5-1-56



Leffel Scotch Boilers can be fired with oil, gas or coal (with the Leffel underfeed stoker). If you later wish to change from one fuel to another, you can do so quickly, easily and economically. Leffel is not a one or two fuel boiler!

THE JAMES LEFFEL & CO.

FOUNDED IN 1862

MORE EFFICIENT STEAM GENERATION FOR 94 YEARS

FREE CATALOG

THE JAMES LEFFEL & COMPANY
DEPT. L, SPRINGFIELD, OHIO

☐ Please send me a catalog and other literature on Leffel Scotch Boilers.

☐ Please have your representative call.

Name_____ Title_____

Company_____

Street_____ City_____ State_____

Whitehouse does it again!

CUT YOUR COSTS with amazing new DEX-KNIT nets—first practical all *dacron* laundry nets and latest product of Whitehouse's program of development and research.

This new example of progress in laundry products offers you what we believe to be *by far* the finest knit net ever constructed. DEX-KNIT dacron nets are made to WEAR . . . and WEAR.

COMMERCIAL TESTS PROVE DEX-KNIT SUPERIORITY

Actual tests in leading laundries *prove* that DEX-KNIT nets will definitely outwear all other knitted nets tested. They'll save you money in replacement costs, in efficient operation.

THESE NETS ARE NOT AFFECTED BY BLEACH OR CHEMICALS. They resist shrinkage to an amazing degree, which gives you peak capacity. TRY THEM! You'll see for yourself why we call them the finest knit nets ever made!

Available in white in these sizes

12 x 22
18 x 30
24 x 30
24 x 33
24 x 36
30 x 40

with Revolutionary New

Dex-knit Nets

"Wear like Granite"

Cut your Costs!

first practical all-dacron nets

WHITEHOUSE
NYLON PRODUCTS

360 Furman Street, Brooklyn 1, New York

"Continued Leadership Through Constant Research"

use steam efficiently, economically—choose the trap with . . .

big capacity

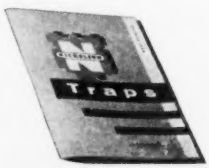
. . . for faster discharge

All a steam trap does is discharge condensate and air from steam lines and equipment—no mystery about it. The bigger its capacity, the faster it can get rid of condensate. But its importance shouldn't be overlooked. On its effectiveness can rest your economical use of steam . . . the efficiency of your process operations.

You get this high capacity in Nicholson steam traps through effective use of a large orifice. And you get much more—simplicity of design and quality through and through.

- **One moving part**
- **Positive shutoff—no steam waste**
- **Powerful, intermittent valve action**
- **Each unit service tested**

Specify Nicholson, and be sure.



Write for new Bulletin 10-55

NICHOLSON

W. H. NICHOLSON and Company

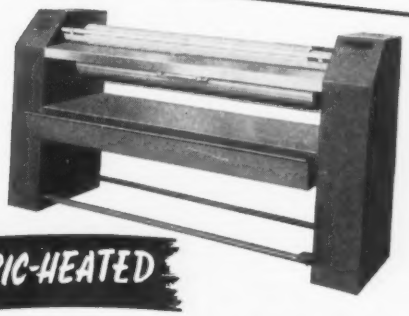
TRAPS • VALVES • FLOATS • METAL PARTITIONS
LAUNDRY, DRY CLEANING AND PRESSING MACHINERY

14 OREGON STREET, WILKES-BARRE, PA. • SALES AND ENGINEERING OFFICES IN 98 PRINCIPAL CITIES

Look to CHICAGO for FLATWORK IRONERS

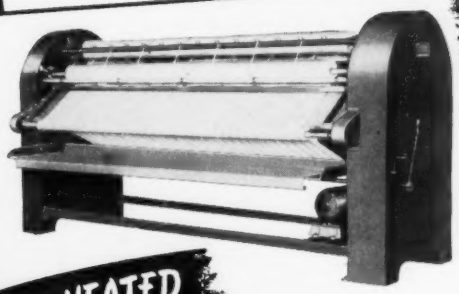
GAS-HEATED

Gas Heated Flatwork Ironers are available with 11", 16", and 24" diameter heated roll, length from 56" to 110". All models equipped with thermostatic heat control. No high pressure steam required. Ideal for store laundries and institutions.



ELECTRIC-HEATED

Electrically Heated Flatwork Ironers are available with 11" or 16" diameter heated roll, length from 56" to 110". Designed primarily for hospitals, hotels and institutions where high pressure steam or gas is not available or where low electric rates prevail.



STEAM-HEATED

Steam Heated Flatwork Ironers are available with 11", 16", and 24" heated roll, length from 56" to 120". Ideal for drive-in plants, quick-service plants and institutions where steam is available.

When you buy a CHICAGO Flatwork Ironer, you've got the best! By every comparison, by every test, it's tops in performance, in economy of operation, in productive capacity. And whether it's Gas, Steam or Electric operation, your CHICAGO Flatwork Ironer embodies the most advanced engineering features in modern, streamlined design to afford you highest production with minimum investment and lowest operating costs. So get a CHICAGO Flatwork Ironer . . . by far today's most popular unit.

FLATWORK IRONERS • WASHERS • EXTRACTORS • DRYERS

Chicago DRYER CO.

EST. 1886 2212 North Pulaski Road • Chicago 39, Illinois

WHITE RIBBON (Chips or Powder). These are neutral soaps made from the finest tallow. The chip contains 88% anhydrous soap and the powder 92%. The White Ribbon products are recommended for use particularly in higher temperature washing.

FLEXO SOAP POWDER. A scientifically and completely built product for the laundry industry. Flexo is made expressly for those who prefer a completely built product. Flexo Soap Powder is built with high-type alkalies to give a sustained high level of alkalinity throughout the entire washing operation.

Whether your business runs to denim or diapers, your clientele to housewives or house painters—there's a Swift Soap to match the type of soil you're chasing. There's one to handle your particular requirements as to water, temperature and fabrics, too. Take SWIFT'S *COLD WATER POWDER*: It's a gentle performer on the lightest fugitive colors, rayons and woolens. It's a *standby* in many laundries for outstanding whiteness retention on backgrounds of printed fabrics.

There are Swift's Soaps in flakes, chips and powders; for high temperatures and low; conventional or open end washers; neutral soaps or built soaps. Where soaps with brighteners are desired, we have them. Swift's soaps help get dirty clothes *clean*, fresh and bright. There's one, or an assortment for you and they're backed by prompt, responsible service and a 100 year history of Swift's dependability.

Take advantage of this versatility in washroom products. They'll help *you help the housewife . . . to the convenience of your professional service*. Write today for details and remember . . .

ONE TRIAL IS BETTER THAN A THOUSAND CLAIMS

SWIFT & COMPANY

SOAP DEPARTMENT

4115 Packers Ave. • Chicago, Illinois

Swift

101 ST YEAR

S-22

To Serve Your Industry Better

how STAINLESS brings ECONOMY to the laundry...

Gleaming stainless means longer, more economical operation for these laundry units manufactured by The American Laundry Machinery Co., Cincinnati, O.

It pays to buy the best may sound trite, but it's still true . . . especially in the laundry where capital equipment replacements take big bites out of profits. And *stainless* is your best buy because . . .

IT LASTS LONGER — For all practical purposes, stainless never 'wears out.' You have, for example, probably seen washers, retired after years of hard service, whose *stainless* cylinders were still good as new.

IT FIGHTS CORROSION — Stainless withstands the attack of soaps, detergents, or strong chemical cleaners. And . . .

IT NEEDS LITTLE MAINTENANCE — Stainless just about takes care of itself. All that's required is an occasional rinsing with water to flush away deposits.

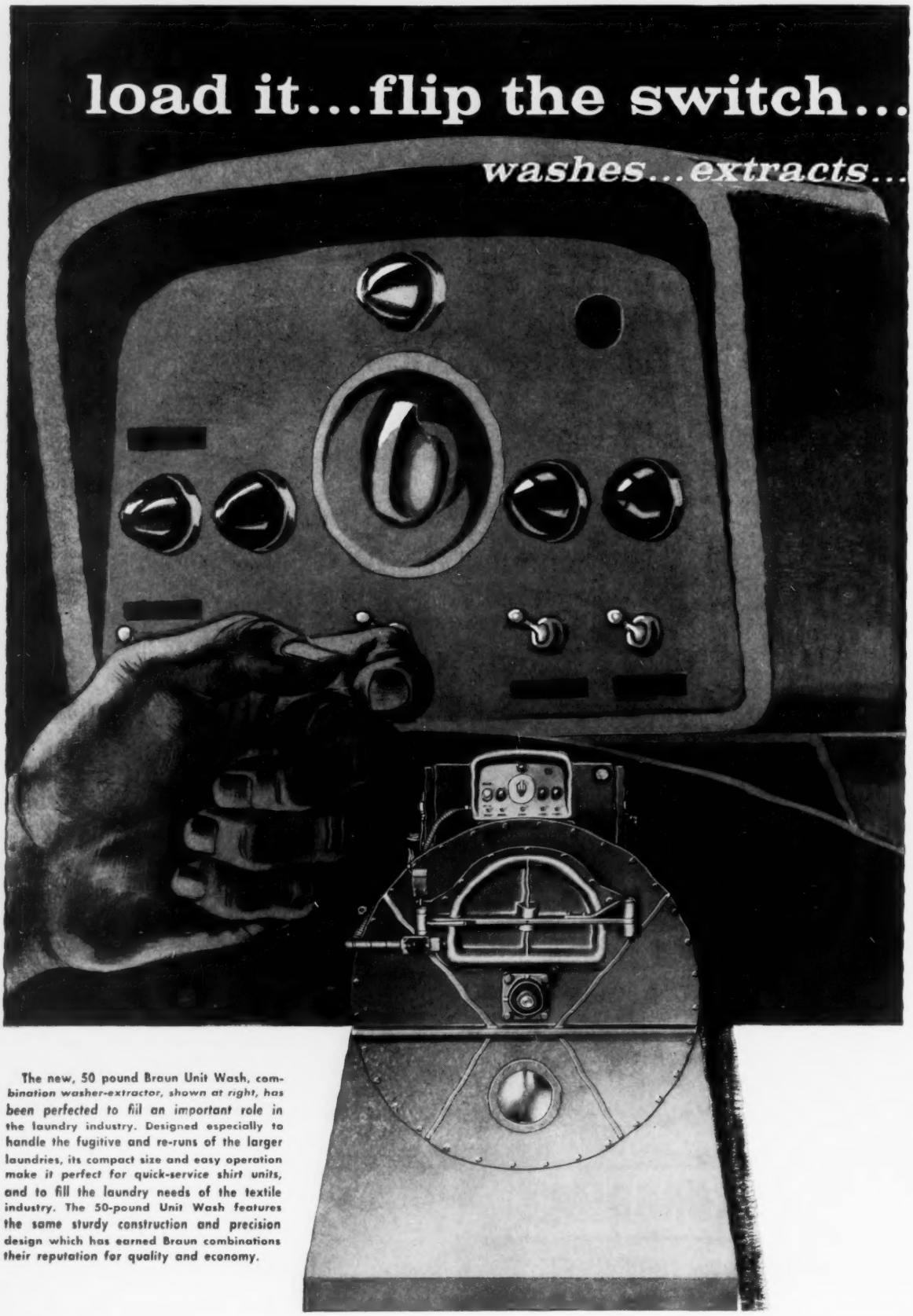
All that adds up to equipment that works better, lasts longer, requires less care. And that means long-run *economy*. Next time you're planning to buy new equipment, be sure it's made of *stainless* steel. *Crucible Steel Company of America, The Oliver Building, Mellon Square, Pittsburgh 22, Pa.*

Write for your free copy of Crucible's informative booklet, "Making The Most of Stainless Steels in the Laundry Industry."

CRUCIBLE first name in special purpose steels

Crucible Steel Company of America

Canadian Distributor — Railway & Power Engineering Corp., Ltd.



The new, 50 pound Braun Unit Wash, combination washer-extractor, shown at right, has been perfected to fill an important role in the laundry industry. Designed especially to handle the fugitive and re-runs of the larger laundries, its compact size and easy operation make it perfect for quick-service shirt units, and to fill the laundry needs of the textile industry. The 50-pound Unit Wash features the same sturdy construction and precision design which has earned Braun combinations their reputation for quality and economy.

come back in 50 minutes

shakes out...in one automatic operation

BRAUN UNIT WASH

combination washer-extractor

Slash Labor Costs with Braun Washroom-Automation! You flip the switch . . . Braun Unit Wash does all the rest! Switching automatically from wash, to extract, to rinse, to shake out, it repeats any phase, injecting supplies, and controlling quantities and temperature of water.

Now the washman has 50 uninterrupted minutes to devote to other productive work — he doesn't have to return to add supplies, check the water or start and stop each operation. And the back-breaking loading and unloading of heavy bundles of dripping-wet wash is eliminated, too, because Braun Unit Wash delivers sparkling-clean, fully extracted wash ready for the dryer or the ironer with no further processing.

Triple-Star Washing Action builds quality to an ALL TIME HIGH! Here's the secret to Braun's phenomenally high whiteness retention, with no loss of tensile strength. At left, above the partition, the clothes are tumbling over the specially contoured ribs of the center partition for a thorough *washboard* action. At the same time, the rest of the wash is swirling through the solution to dissolve and suspend soil particles. At the right, the wash has been given the gentle impact of a big, 44" drop, that

loosens and breaks up stains. On the other side of the partition, gravity and centrifugal force squeeze the wash against the cylinder wall for maximum penetration of the fibers.

Braun combines "Tailored Automation" and "Triple-Star Washing" to bring you these EXTRA SAVINGS:

Save Space — *compact construction takes* less than half your present washroom space.

Save Time — Faster, regular wash cycle *means better work scheduling.*

Save Water, Supplies — *Unit Wash uses* less than half the water and supplies needed by old-type machinery.

Save Repair Bills — Extra-heavy, precision *construction means longer, trouble-free life, fewer shutdowns. Quick* service from Braun's expert Service Staff, *too.*

Braun Unit Wash is available in 35, 50, 100 and 200 pound capacities, each of which can be equipped with manual or semi-automatic controls, in addition to the fully automatic. Braun Unit Wash, in single and multiple installation, is matching the requirements of every type of laundry operation.

WRITE TODAY for full information

G. A. BRAUN, INC.

Pioneer in Automation

461 E. Brighton Ave., Syracuse, N. Y.

G. A. Braun, Inc., Dept. 210
461 E. Brighton Ave.
Syracuse, N. Y.

☐ Rush full details about automation for the washroom.
☐ Have a representative call.

Name.....Title.....
Company.....
Address.....
City.....Zone.....State.....

Building Water Treatment Systems *is a man-size job!*

Having been in the water conditioning business for nearly fifty years, we know that *every* water treatment job is a challenge. In this business, you can't send a boy to do a man's work.

Since 1908, Elgin has been designing, building and installing water conditioning equipment for thousands of purposes in hundreds of industries, institutions, municipalities and commercial establishments. Naturally, during that time, we've built up a backlog of experience and water engineering skill second to none. As a result, the name *Elgin* has become synonymous with superiority in the field of water conditioning — whether softening, dealkalizing, demineralizing, deaeration, degasification, chemical treatment.

Elgin makes it a policy to meet *every* water treatment problem with concentrated attention. You can feel sure — when you bring your problem to us — that all the experience and knowledge at our command will be at your disposal. Talk over your water treatment problems with your Elgin representative. Or write us direct. We *can* help you!

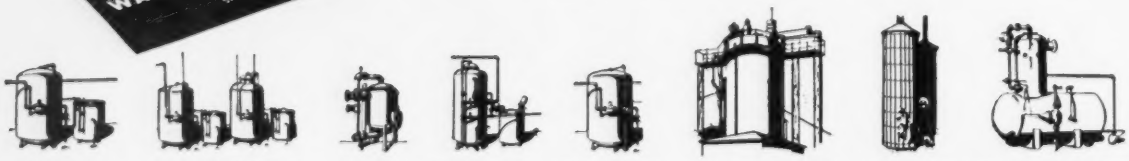
ELGIN WATER CONDITIONING SINCE 1908

ELGIN SOFTENER CORPORATION

150 No. Grove Avenue, Elgin, Illinois

Representatives in Principal Cities

In Canada: G. F. Sterne & Sons Ltd., Brantford



SOFTENERS | ION EXCHANGERS | FILTERS | DEIONIZERS | DEALKALIZERS | LIME COAGULATORS | DEGASITORS | DEAERATING HEATERS

Extra Profits for You—With UNI-MAC

NO BOLTING DOWN
VIBRATION-FREE
Needs Only 10 sq. ft. of Space

—this we can prove!

Power Laundries Are Enjoying Extra Profits With The New Quick Service "FLUFF AND FOLD" Service Produced with

THE UNI-MAC TWIN

HEAVY DUTY COMBINATION WASHER-EXTRACTOR

The UNI-MAC TWIN Model "400" — BACKED by OVER 15 YEARS of RESEARCH, ENGINEERING, DEVELOPMENT

- Washes bundles individually—no marking, sorting or assembly—cuts labor costs—eliminates customer loss-claims
- Washes and damp dries up to 120 lbs. per hour
- New quick service "fluff and fold" gets bundle out of home—your strongest weapon against home washing and other competition
- Supplemental equipment for main plant—activates branch stores
- Brings in additional profitable business—drycleaning, flatwork and shirts
- Handy for washing go-backs and 3-hour shirts
- Handles delicate fabrics *more safely* than any other machine made for laundering!
- Exclusive high speed, positive, jet-ball spray rinsing
- Bock direct-drive extractor—patented brake, automatic stop (no foot pedal)

ASK ABOUT UNI-MAC'S ADVERTISING and SALES PROMOTION PROGRAM

LOWEST WASHER INSTALLATION COST AND MAINTENANCE

SEND FOR COMPLETE INFORMATION *Today!*

1917 S. FEDERAL HIGHWAY
FORT LAUDERDALE, FLORIDA

GENTLEMEN:

- ☐ Please send your new UNI-MAC Literature.
- ☐ I would like to arrange for a demonstration.
- ☐ Furnish description of your Advertising and Sales Promotion aids.

COMPANY _____

STREET _____

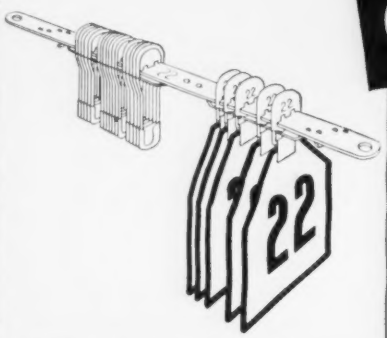
CITY _____ STATE _____

BY _____

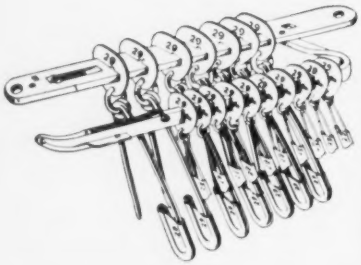
The UNI-MAC CO.
1917 S. Federal Highway, Ft. Lauderdale, Florida

1ST

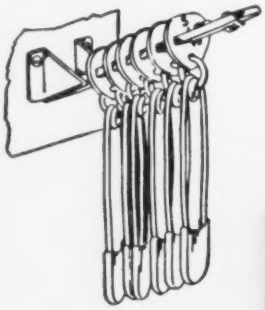
KEY-TAG CHECKING SYSTEM



FOR "QUICK SERVICE" PLANTS. Fast accurate marking. Error-free assembly. Complete lot control.



FOR NET WASHING PLANTS. No human error with Key-Tag's 100% sure mechanical-visual check.



FOR EVERY SERVICE. Key-Tag identification assures speed with accuracy from breaking table to delivery.

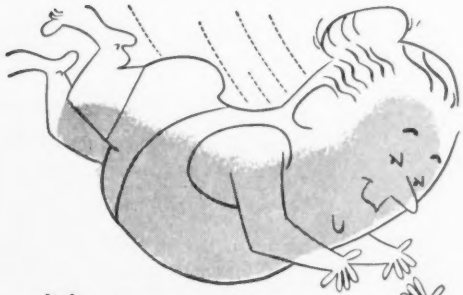
YOUR FIRST STEP TO LAUNDRY EFFICIENCY

Thirty-five years ago The Key-Tag Checking System Company originated and made available a new system for identifying laundry bundles that quickly became standard the world over. Key-Tag's System eliminated mistakes by providing a foolproof mechanical check against the possibility of human error in bundle assembly! The simplicity of the Key-Tag System and the ease with which it operated made for faster assembly with less lost time and less waste motion. Key-Tag brought speed with accuracy to the assembly operation and stopped the main causes of customer complaints—lost pieces and lost bundles!

Today the laundry industry is flooded with new automatic machinery, push button controls and vast networks of conveyors for handling the laundry bundle. Yet, for all these dramatic changes, the Key-Tag Checking System is still the standard and almost universally used method of laundry identification! It has become the foundation on which new laundry efficiency is built. No matter how large or how small your operation...there is a modern Key-Tag Checking System designed to give your plant these cost-cutting labor-saving advantages!

THE KEY-TAG CHECKING SYSTEM CO.
6509 HOUGH AVENUE • CLEVELAND 3, OHIO

WRITE TODAY FOR COMPLETE INFORMATION

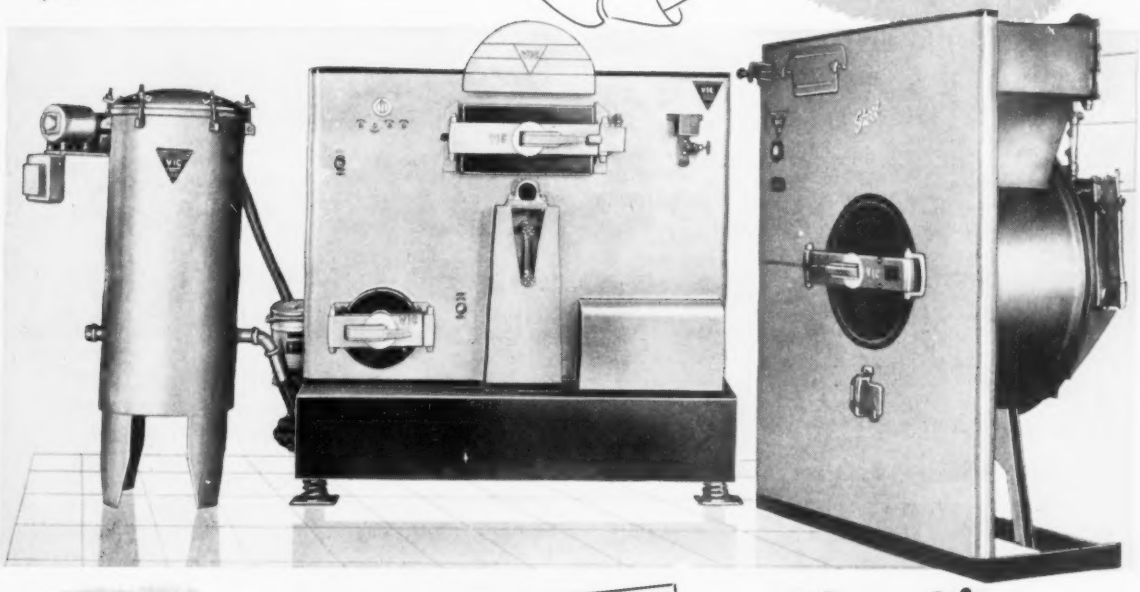


announcing
VIC'S new wonderful

KRESTVIC

did you ever get

MORE THAN YOU EXPECTED?



LOOK WHAT YOU GET!

IT'S A WHOLE CLEANING PLANT!

- **$34.72 per week buys this plant**
- $1200 cleaning volume per week based on $1 prices
- Vic Model 32CM Washer-Extractor Unit
- Storage Tank
- 1500 G.P.H. Vic self-cleaning filter
- Vic Solvent Recovery Tumbler unit with pressure regulator and gauge
- Vic Model 34A Still with pressure regulator and gauge
- Vic's special spring mounting (eliminates costly foundation)
- Vic Model 31W air Muck Dryer assembly

KRESTVIC IS THE LOWEST PRICED COMPLETE SYSTEM IN THE DRY CLEANING MACHINERY FIELD!

IF YOUR BUDGET IS LIMITED . . .
KrestVic IS THE BUY FOR YOU!

YOU CAN'T AFFORD NOT TO BUY IT!

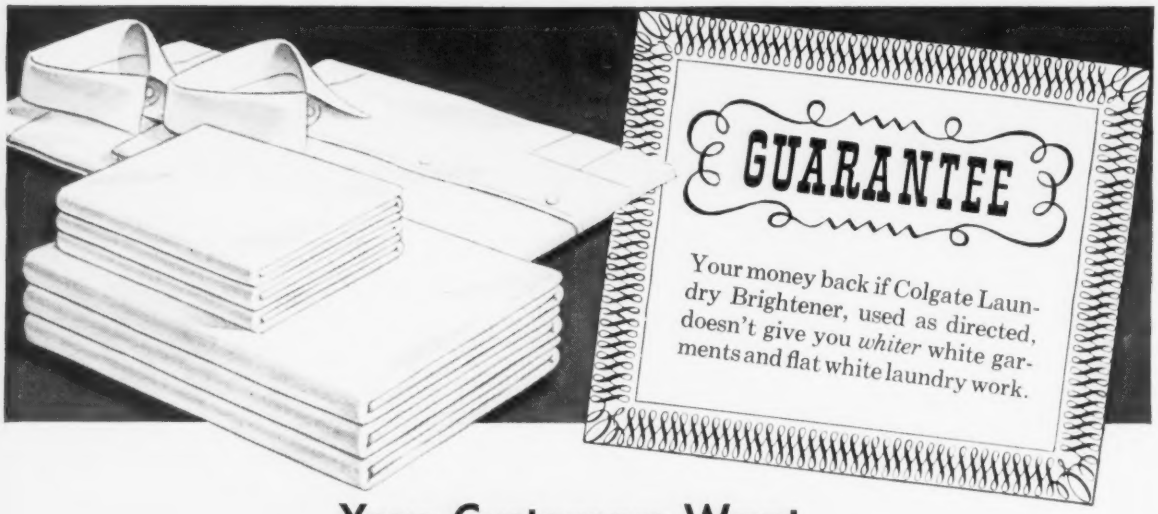
Sales and Service in all Principal Cities

VIC CLEANING MACHINE CO.

Experienced Since 1912 — Minneapolis 3, Minn.

VIC CLEANING MACHINE COMPANY
1313 Hawthorne Avenue, Minneapolis 3, Minn.
Please send me full details on the new KrestVic, Model 32CM today! DEPT. S.O. 209

Name_____
Firm_____
Address_____
City_____ Zone____ State____



Your Customers Want

Whiter Shirts, Sheets and Pillow Cases

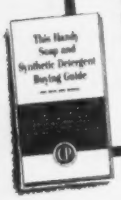
COLGATE LAUNDRY BRIGHTENER Guarantees Them!

Gets White Work Dazzling White, Colors Sunshine Bright in your Regular Wash Formulas

Added to your regular wash formulas, this amazing new detergent aid means the difference between dingy wash and brighter, whiter wash. Stable in all ordinary laundry bleaches, with no loss of effect during bleaching operations. Saves soap, eliminates bluing!

Packed in 25 and 100-lb. drums!

Builds repeat business from satisfied customers, helps win new ones! Try it! Notice the big difference it makes in the quality of *your* work!



FREE! New 1956 Handy Soap and Synthetic Detergent Buying Guide. Tells you the right product for every purpose. Ask your C.P. representative for a copy, or write to our Industrial Department.

COLGATE PALMOLIVE CO. CP QUALITY PRODUCTS SINCE 1806 — 1806–1956 150th ANNIVERSARY

Colgate-Palmolive Company

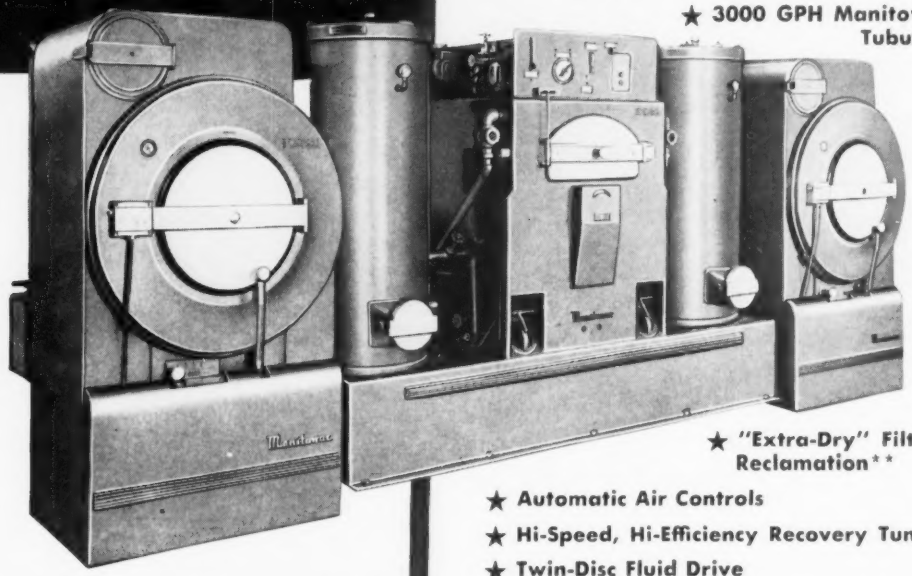
300 Park Ave., New York 22, N. Y. • Atlanta 5, Ga.
Chicago 11, Ill. • Kansas City 5, Kans. • Berkeley 10, Calif.

Manitowoc

★ Diverti-Flo Solvent Control*

★ No-Surge-Over 75 GPH Still*

★ 3000 GPH Manitowoc-Olson Tubular Filters



★ "Extra-Dry" Filter Muck Reclamation**

★ Automatic Air Controls

★ Hi-Speed, Hi-Efficiency Recovery Tumblers

★ Twin-Disc Fluid Drive

★ Divided Solvent Storage Tanks

70 lb. Perchlor 2-Bath Dry Cleaning System

Best For New Cleaning Departments . . . Best For Modernization

For special runs, fast service feeder plants, neighborhood drive-ins and for modernizing present cleaning departments, no other cleaning unit can match a Manitowoc 70 lb. Perchlor 2-bath system. This is the all-new unit that will put you in the dry cleaning business with a minimum investment. It's a real profit-maker, producing the finest quality cleaning . . . "customer approved" cleaning that brings in new laundry bundles for one-stop business.

Every Manitowoc dry cleaning system has the features you need to get a larger share of the cleaning market. In addition to the exclusive features noted above you get Marlow self-priming, centrifugal pumps; solvent coolers as standard equipment; positive-seal, self-aligning doors; and space-saving design, adaptable to a variety of plant layouts.

Ten Models — A Size and Type Made to Order for Your Cleaning Operation

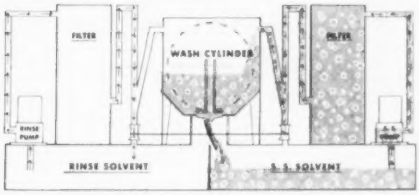
35 lb. and 70 lb. capacity models — 2-bath and single-bath for synthetic solvents. 2-bath and single-bath for 105° F and 140° F Petroleum solvents. (70 lb. petroleum unit available for 105° F only at present.) ●

Equip your plant *now* for better dry cleaning quality — go modern, go Manitowoc! See your Manitowoc distributor or write for complete details.

MANITOWOC ENGINEERING CORP. Dept. MRS-8
MANITOWOC, WIS.

*Patented **Pat. Pend.

Finest 2-Bath Cleaning with



Diverti-Flo **Solvent Control**

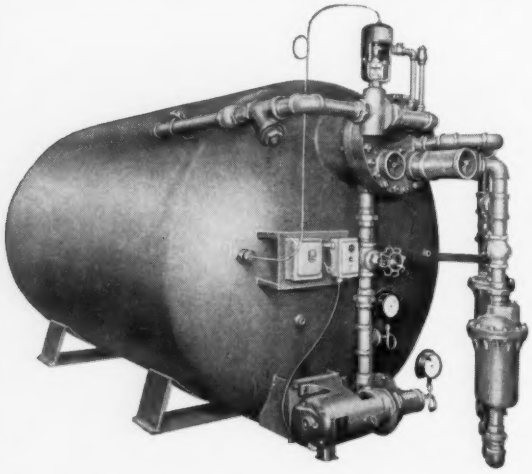
Only Manitowoc advanced dry cleaning systems give you Diverti-Flo positive solvent control for *true* 2-bath performance from the 2-bath process. Absolutely *no solvent intermix* during any cycle of operation! A real solvent-saver! You're always sure of perfect, top-quality cleaning.

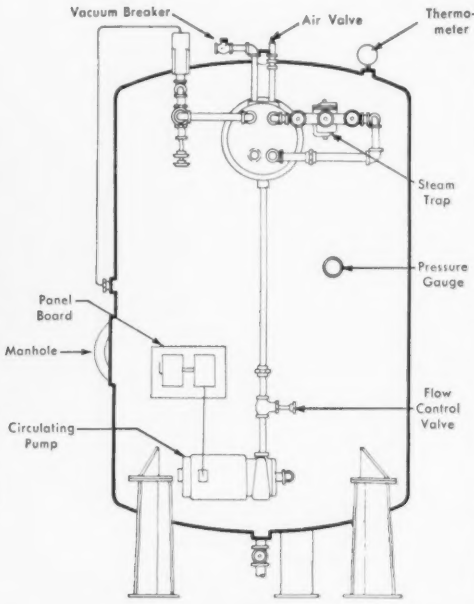
Manitowoc

A Complete Line of Synthetic and Petroleum DRY CLEANING SYSTEMS

Perchlor 140°F-105°F

Tumblers Filters Stills Dry Cleaning Units





End view of Vertical Model

Maintain Steam Pressure!

Even Out Boiler Load!

Increase Your Production!

NEW P-K STEAM-MIZER*

Does All This And More!

Whether you process 12,000 lb. of laundry per week . . . or 192,000 lb. . . . one of p-k's eight new packaged storage water heaters is especially designed to increase your production! With a p-k Steam-Mizer, constant circulation of stored water provides minimum, uniform steam demand. Steam is utilized efficiently, and eliminates costly peak demand periods. All steam operated equipment can be supplied with the proper constant steam pressure.

The p-k Steam-Mizer consists of a storage section, a condensate cooling section, a live steam section, circulating system and controls. All units are built in accordance with ASME Code requirements.

In operation, all the condensate from the steam operated equipment and the live steam heating coil is passed through the condensate coil, where flash steam is removed and condensate cooled to about 200°F while preheating the constantly circulating service water. Because it is a closed system and all condensate is returned to the boiler, practically no boiler water makeup is required, keeping boiler scaling and maintenance to a minimum.

p-k Steam-Mizer is easy to install, too.

- ***It requires minimum floor space—install in out-of-the-way location.***
- ***No adjustments are necessary. Controls are factory set.***
- ***With your own men, skid into place, uncrate, and connect to existing piping.***

p-k Steam-Mizer is furnished for either horizontal or vertical installation in 8 standard sizes. They are available in steel or lined with copper or Special Formula C-17 Pre-Krete cement. Write for the full story in p-k's new Bulletin 1080 today. **The Patterson-Kelley Co., Inc., 200 Wilson Avenue, East Stroudsburg, Pa.**

* Patent applied for.

Patterson Kelley

Chemical and Process Division

Waste Water Heat Reclaimers • Storage Water Heaters • Condensate Coolers • Instantaneous Heaters • Steam-Mizers • Feed Water Heaters

Here's how to—

Cut Flatwork Labor Costs - - - - - - Speed Up Production

Pocock's Corner

M. A. Pocock

Steaming ironer rolls is a warning that you may be carrying over too much moisture from your extractors. A 50% moisture content, or the equal of 50% of the dry weight of the goods in water is considered good—down to 40% is excellent. You know, of course, that long runs in the extractor will cause rough dry on the inner circle. The problem then, is to find a means of speeding up extraction and cut down moisture retention at the same time. High speed machines have been developed which cut moisture retention down to 40% to 45% and do the job in half the time required by machines that leave 55% to 60% moisture to go into your ironer. Better and faster extraction will improve ironer production. Of course, suitable extraction requires that goods be kept flowing through the ironers with as complete coverage as possible, with skillful correlating to prevent laying aside of work that might lose moisture content essential for proper ironing. If goods are held back, causing rough dry, a high grade spray gun, which delivers a very fine and widely spread spray, connected to a counter-weight and hung away from the feed ribbons, should help, but not improve production—you must learn how to handle FAST from extractor to tumbler to ironer.

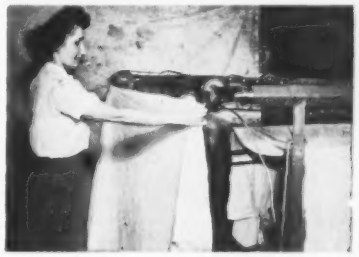
M. A. Pocock

Wages have gone up, everywhere, due to the Minimum Wage Law and higher union-management contracts. But if yours is a laundry handling **1,200** or more sheets and spreads per day, you can compete in this higher labor market and make more money than before. How? By installing a labor saving SAGER SHEET SPREADER.

More Profits With a Sager

With a SAGER "B" SPREADER, one operator easily performs the work formerly done by two or more hand shakers on sheets. And the SAGER cuts labor discontent and turnover. SAGER operators like their jobs and stay on them. Yes a SAGER cuts labor costs, cuts labor turnover and speeds production. You can't afford to be without a SAGER SHEET SPREADER in these competitive times. A SAGER quickly pays for itself in labor saved and faster production.

View of Sager "B" Spreader. Handles 1200 to 3000 sheets and spreads per day



With the SAGER "B" you can handle up to 3,000 sheets and spreads per day; above that quantity you probably will need a SAGER "A".

Write today for full facts and the names of progressive laundries all over the world which have reduced their flatwork ironing costs from 40% to 60% with these labor saving machines.

Please send us full facts about your labor-saving Sager Spreaders.

M. A. Pocock
Dept. 106
1236 Central Ave., N. E.
Minneapolis 13, Minnesota

Firm_____

Street_____

City_____

State_____

Print your name_____

2 GREAT NAMES now bring you . . . a new LAUNDRY COMBINATION

SMITH GRANTHAM

You already know the Grantham Tumbler — standard of your industry.

The Grantham Tumbler, and all other laundry machinery designed by F. W. Grantham, will now be manufactured, sold and serviced EXCLUSIVELY by *The T. L. Smith Company.*

This means finer equipment than ever before. The T. L. Smith Company has been the leading name in the design and manufacture of heavy mixing equipment — *since 1900.*

Now the well known design ability of F. W. Grantham is combined *with the complete facilities of The T. L. Smith Company.*

The NEW Smith-Grantham Tumbler, with automatic controls, incorporates all the ideas your industry has asked for.

A NEW washer, completely revolutionary in design, is now being tested. There is proof already that this machine will slash your operating costs at a fantastic rate.

Both machines can be delivered in October. With their delivery you will get complete parts and machine service.

SMITH

Since 1900, the pioneer designer and foremost manufacturer of the world's finest mixers

THE T. L. SMITH COMPANY • Milwaukee 1, Wisconsin • Lufkin, Texas

affiliated with Essick Manufacturing Company, Los Angeles, California.

A-8868-1P

Free Sample to Laundry Operators

Fablok MILLS, INC.

"SUPERIOR"

There's no better net than **nylon** . . . and no better **nylon net** than **Superior!**

And here is the best way to prove it!

Will you test the new Fablok Superior *right in your own plant, under your own working conditions?*

You'll discover these features, that make Fablok Superior our **BEST NET YET!**

★ New Super-Locknit Stitch for *greater strength, longer use.*

★ *New hole-pattern . . . more than twice as many holes per square inch.*

★ *Greater penetration by soap* and cleansing chemicals, makes faster and more complete laundering possible.

★ No loose fibers — net can be used on either side without danger of snagging.

★ Heat set to retain original shape, will not shrink under stated net size.

★ Available in 10-color range for color-classification systems (also special 2-color nets).

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46 Cordier St., Irvington, N. J.
Okay, I'll test Fablok Superior Net at your expense.
Send net indicated absolutely **FREE.**
Size ☐ 24" x 30" ☐ 24" x 36"
Name of Laundry _____
Address _____ Zone ____ State ____
City _____
Your Name _____

Fablok Laundry Nets Sold only thru Exclusive Jobbers

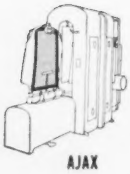
DON'T DELAY A MOMENT —SEND THIS COUPON TODAY

Resillo

MONELO and FLAMONEL

(MONEL — FLANNEL)

PADS



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for maximum production, utmost economy
and highest quality finishing
from high production presses.

. . . the most perfect, permanent-type
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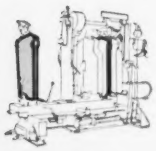
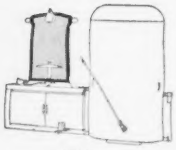


AMERICAN



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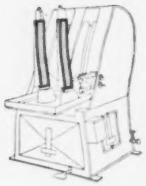
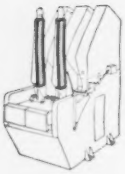


AJAX



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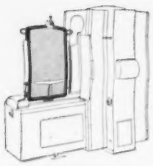
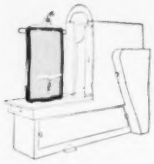


PROSPERITY



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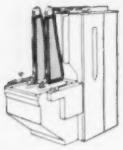
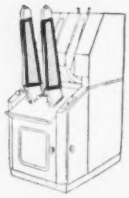


PROSPERITY



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All pads designed and manufactured
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All are backed by the well known
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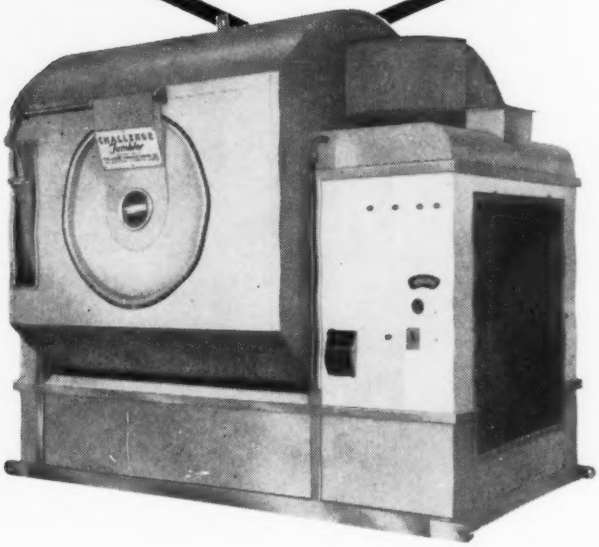
Resillo PRESS PADS

RESILLO COMPANY · 2328 WEST NELSON STREET · CHICAGO 18, ILLINOIS

You Can't "Iron Out" that Laundry Bottleneck...So "Give It A Tumble" with the New *Challenge* Tumbler



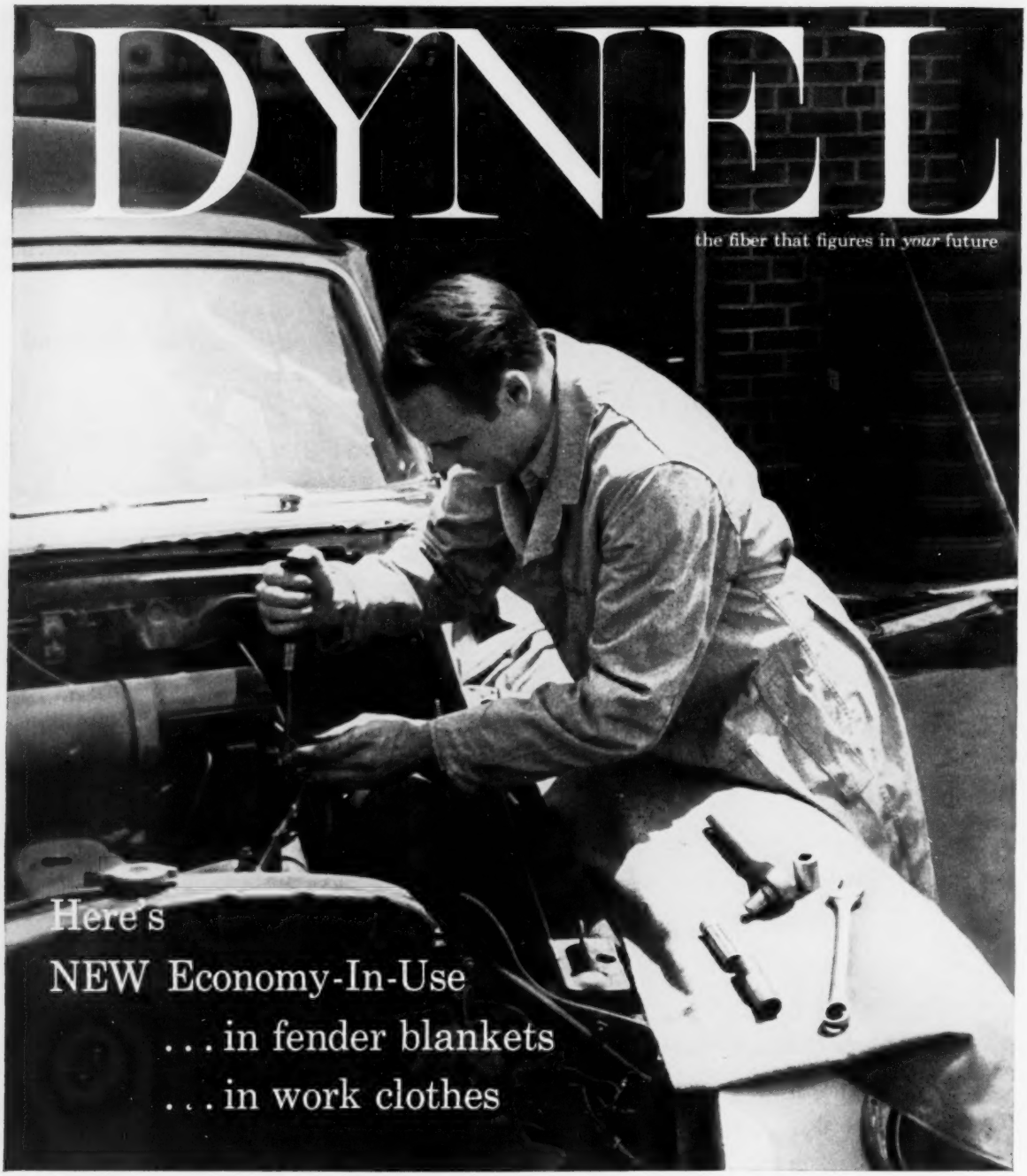
No, more ironers may not be the answer to your production bottleneck but the addition of a new Challenge Tumbler will. Here's why! When linen comes from the extractor it still has from 50% to 70% moisture retention. If you leave all that moisture in the goods, the ironer must take it out and consequently your ironer runs slow. Put the same linen in the new Challenge Tumbler and watch those ironers go to town.

Check these comparisons: The Challenge Tumbler speeds up flatwork ironing at least 20% . . . in some classifications, 100%. One Challenge can make two ironers do the work of three. It will make a 6-roll ironer out-perform an 8-roll and allow that 8-roll ironer to operate at 100 to 110 feet per minute.
Write today to learn more on how you can "tumble out" your production bottleneck.

Distributed exclusively by The American Laundry Machinery Company.

CHALLENGE
MANUFACTURING CO.

7400 East Bandini Blvd., Los Angeles 22, California
Telephone: RAymond 3-1301



DYNEL now offers rental laundries new standards of performance in fender blankets, clothing and supplies that need repeated laundering. Fabrics of 100% Dynel deliver specially high chemical resistance; and Dynel blended with cotton can provide work clothes that can be laundered *by standard cotton procedures.* Performance tests prove DYNEL gives you more service for your investment. For list of manufacturers, write or call today!

DYNEL • Union Carbide and Carbon Corporation UCC 30 East 42nd Street, New York 17, New York

Them Dress Right — you can't afford not to!

FOR THE NEWEST DEVELOPMENT IN MARKING AND SORTING BACHELOR BUNDLES and SHIRT BUNDLES—INVESTIGATE . . . .

"SUPERMARKING"

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ELIMINATES MARKING- Either by hand or machine. No marks on the clothes; no machines to set; no keys or slots to fit. Eliminates determination of marks and record books.

ELIMINATES LISTING- Shows charges only on the invoice. This whole system is adapted from the efficiency of chain-store supermarket groceries. Invoices are priced when bundle is broken; no more sending invoices to office for pricing.

ELIMINATES CHECK-OFF- Sort and assemble the bundle without the tedious task of checking the bundle against a list; simply count the number of tags to match with the master tag. Sort by color and number. Numbers are very legible, and always accurate!

ELIMINATES CLAIMS- The tags must "match up" both as to color and number. Almost impossible to check out a bundle either "over" or "short".

SAVES LABOR- Plants now using this system report saving one girl in three in both marking and sorting departments.

OTHER FEATURES- Can be used by inexperienced help in either marking or sorting. Laundry proof tags. Pre-numbered with rotating colors to prevent duplication. Low in cost. Can be used in both SHIRT BUNDLES and BACHELOR BUNDLES.

You can always DEPEND on STRY-LENKOFF tags and systems. Finest quality, best selection, best ideas.

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Send Now For Complete Details And Samples

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PLEASE SEND US FULL INFORMATION ON YOUR NEW "SUPERMARKING" COPYRIGHT 1956

FOR LAUNDRY BACHELOR BUNDLES.

PLANT:

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CITY & STATE:

BY:

The Only Net Featuring . . .

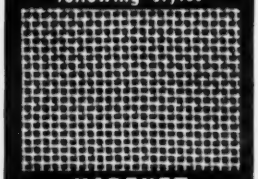
GROMMETED EXTENSION TAPE*

100 TO 200 MORE WASHINGS

- **Good-bye Pinning Tears.** Grommets give *100%* pinning protection. (Not partial.) Pins never touch net eliminating snags and tears.
- **Nylon Extension Tape.** Maintains straight and uniform pinning. Even weight distribution in loading nets. No excessive strain on any portion of net. Longer net life.
- **Net replacement cut** by 35% to 40%. 6½ gross of JAYSONET® will do the work of 10 gross of any other net because of our exclusive Grommeted Extension Tape*. Save money and unnecessary waste.

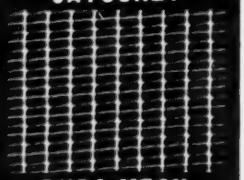
**Patent Pending*

JAYSONET®
Available in the following styles



KARENET

JAYSONET



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IMPERIAL

JAYSONET® PROVEN YOUR BEST BET

CONSULT YOUR LOCAL SUPPLIER

For additional information write

Mfg. by JAYSON'S—Division of Jayson Silk Mills

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Mr. Fred L. Royal, Proprietor, Royal Launderers and Cleaners, converted a straight "pick-up" location into a rapid-fire money maker with Bendix coin-operated equipment.

Bendix equipped store cuts truck operations, labor costs. The coin-operated laundry store is the perfect answer to rising costs—plus a convenient free pick-up station for the power laundry operator! "The quick-service laundry is here to stay and the sooner the power laundry operator realizes it, the better off he will be," states Mr. Royal. "A good sub-station must have activity . . . and the Bendix type of coin operation provides this much needed activity." And it's a good opportunity for getting more laundry and dry cleaning business!

Another Power Laundry Builds Extra Profits with Coin-Operated Feeder Stations!

Houston operator selects Bendix because only Bendix makes 9-lb. and 16-lb. Commercial Laundry Equipment!

Complete flexibility is the keynote of this Houston operation—a flexibility possible only with Bendix units! With the Bendix introduction of the Model WEC "double capacity" washer, a whole new big-volume market has opened up, because the model WEC *washes any size bundle at the lowest cost.* Fred Royal started his profit-making pick-up station with four WEC and six WDC washers. Business grew so fast, he doubled the number of machines and, furthermore, has leased another location for an additional Bendix coin operation. He actually runs three operations in the one store: 1. non-attended coin machines, 2. wash and dry service, 3. laundry and cleaning pick-up service for the main plant!

Exclusive heavy duty Model WEC washes double-size loads without water waste on wash or rinse! Clothes drop nearly 2 feet for cleaner washes.

COMMERCIAL LAUNDRY DIVISION

bendix

Home Appliances Div. **AVCO** Manufacturing Corp.

Advanced development in aviation, electronics, products for home and farm

Bendix Commercial Laundry Division, Bendix Home Appliances Division
AVCO Manufacturing Corporation, Dept. SRJ-10, 1329 Arlington, Cincinnati 25, Ohio

Please send information on the New Bendix WEC Commercial Washer and the name of my Bendix Commercial Laundry Distributor.

NAME_____

ADDRESS_____

CITY_____ZONE_____STATE_____

National's adding machine . . .

*Live keyboard** with keytouch adjustable to each operator!

Saves up to 50% hand motion—and *effort!* Never before have so many time-and-effort-saving features been placed on an adding machine.

Every key operates the motor! So you can now *forget the motor bar!* No more back-and-forth hand motion from keys to motor bar. Think of the time and effort this saves.

Keyboard is instantly adjustable to *each* operator's touch! No wonder operators are so enthusiastic about it. They do their work *faster*—with up to 50% *less effort.* New operating advantages, quietness, beauty.

"LIVE KEYBOARD" with Adjustable Key-touch plus 8 other time-saving features combined only on the National Adding Machine: Automatic Clear Signal . . . Subtractions in red . . . Automatic Credit Balance in red . . . Automatic space-up of tape when total prints . . . Large Answer Dials . . . Easy-touch Key Action . . . Full-Visible Keyboard with Automatic Ciphers . . . Rugged-Duty Construction.

A National Adding Machine pays for itself with the time-and-effort it saves, then continues savings as yearly profit. One hour a day saved with this new National will, in the average office, repay 100% a year on the investment. See a demonstration, today, on your own work. Call the nearest National branch office or National dealer.

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ADDING MACHINES • CASH REGISTERS
ACCOUNTING MACHINES

THE NATIONAL CASH REGISTER COMPANY, DAYTON 9, OHIO

989 OFFICES IN 94 COUNTRIES

The Tag With The "Built-In Brain"!

new exacto Button-Hole SHIRT TAG

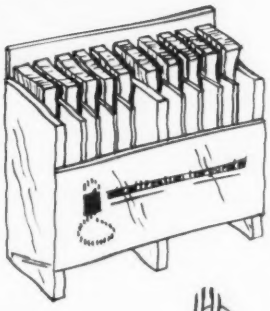
Fast • Foolproof • Functional

No shirt sorting girls are needed when you use EXACTO BUTTON-HOLE SHIRT TAGS or SHIRT TAIL STYLE TAGS. Your folder sorts shirts according to tag color (10 vivid colors for complete and accurate bundle separation). And with EXACTO'S unique tag numbering system, the packer always knows the exact number of shirts in each bundle. Costs you less, too, overall . . . which is another reason why you should get all the facts right away!

NO WASTE OF TAGS . . . the exact number of tags for *each shirt bundle is a feature of* EXACTO *1-to-10* BUTTON-HOLE TAGS. Ten vivid colors provide *complete and easy lot control.*

MARKING'S A SNAP WITH THIS HANDY EXACTO TAG DISPENSER

. . . gives you the exact number of tags according to the size of the shirt bundle!



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8 Reasons

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The interests of the field are the interests of the subscribers, and their first consideration is guaranteed by the paid, contractual relationship. Because he *pays*, the subscriber is *the boss*.

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7. WE BELIEVE THE "READER AUDIENCE" OF A FIELD REVEALS ITSELF WHEN IT PAYS, AND IS THEREFORE CONTACTED MORE EFFICIENTLY AND EFFECTIVELY THROUGH PAID SUBSCRIPTIONS

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STARCHROOM LAUNDRY JOURNAL

ABC-ABP

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Lever has designed a completely built synthetic to give whiter, brighter laundering in hard or soft waters. It is compounded with mild builders and one of the most efficient and stable whitening agents known:

FORMULA 880— spray-dried, free-flowing white granules.

This synthetic detergent is especially suitable for delicate fabrics and colors at mild temperatures. It is also compounded for heavy duty washing.

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SAVES 25% WRAPPING PAPER 33% YOUR LABOR COSTS

MODERN COMPACT STREAMLINED

- makes an expert wrapper of any inexperienced employee
- feeds and cuts correct paper lengths for various sized packages—*automatically*
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WASH ACCELERATOR (with E.D.T.A.)

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  PHOSRITE, when added to the bleach suds, eliminates at least one rinse.

PHOSRITE is packed in drums of 125 lbs. net.

Call your Beach Distributor today

Beach Soap Company

Lawrence, Massachusetts

128 years of Continuous Progress in the Manufacture of Fine Laundry Products.

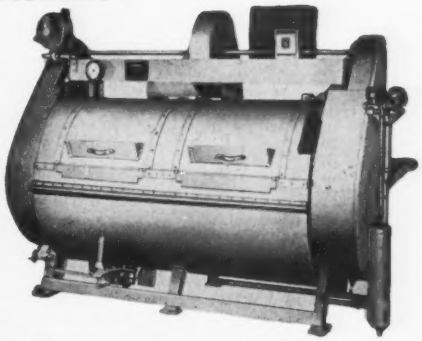
AA

WASHERS

BUILT TO

YOUR NEEDS!

LAUNDRY WASHERS



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★ Belt driven or motor driven.
★ Ball Bearings throughout on all rotary parts.
★ Special Heavy Duty Adjustable Packing Glands.
★ Solution can't leak out through bearings.
★ Safety Door Switch.
★ Heavy Duty type motors for reversing washer service.
★ Welded Cylinder and Shell.

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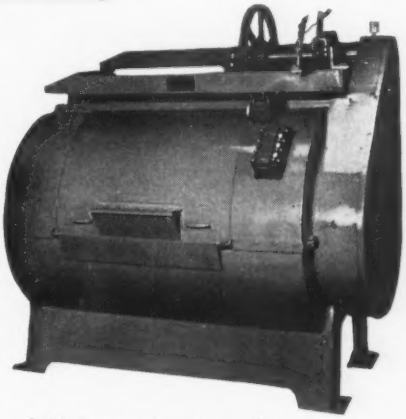

★ Available in any size required.
★ Heavy Duty All Metal Washers with Maple Unloading Shelves.
★ Motor driven or belt driven.
★ Special heavy duty adjustable packing glands.
★ Solution cannot leak out through bearings.
★ Heavy duty locks and keepers, adjustable to keep doors rigidly in place to prevent tearing of clothes.

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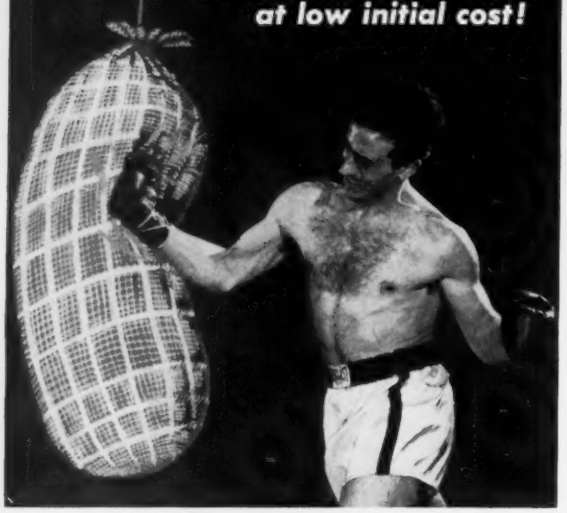
PUNISHMENT

Strength & Endurance at low initial cost!



Cotton LAUNDRY NETS *by* ANCHOR-ROME

do the best job in your washer

- **Stick to the wheel for thorough 'washboard action'**
- **Lower initial investment**
- **Do not snag easily**
- **Open LENO mesh allows greater penetration**
- **Proven by years of experience**

NYLON also available!
Have you tried our nylon LENO net #803... now in its second year of service to many satisfied customers.

Ask your supplier today about our 8 lb. net #796, specially designed for diaper laundries.

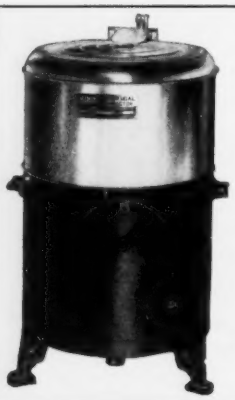
Iselin-Jefferson Company, Inc.

Selling Agents

MAIN OFFICE: 90 WORTH STREET, NEW YORK 13, N. Y.
UPTOWN OFFICE: 1430 BROADWAY, NEW YORK 18, N. Y.

ATLANTA BALTIMORE BOSTON CHICAGO CLEVELAND DALLAS DETROIT LOS ANGELES
MONTREAL PHILADELPHIA ST. LOUIS SAN FRANCISCO TORONTO

"SELL AND REPEAT"



BOCK EXTRACTOR

Insist On A Bock and You Will Have The Best

We have made Extractors Exclusively For 35 Years

Sizes 15" 17" 20"

BOCK LAUNDRY MACHINE CO.
TOLEDO 2, OHIO

THE MARK RECORD SHEET

is a great check against inaccurate marking. Records the marks used in all bundles; permits location of lot for all marks

Prevents duplication of marks;
Avoids mixup of garments;
Aids and simplifies sorting;
Used in any marking system;
Precludes thievery.

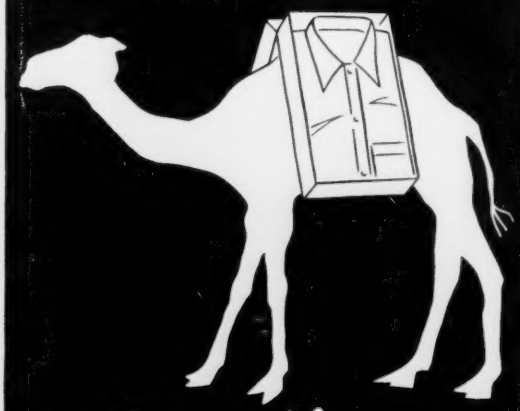
Used for years by hundreds of laundries

SAMPLES FREE

(All shipments C. O. D. unless check accompanies order)

Price, *per thousand* $7.50
5,000 or more, *per thousand* 6.50

STARCHROOM LAUNDRY JOURNAL
305 E. 45th St. New York 17, N. Y.



Camelforms

SAVE 1-1/2¢ TO 2¢ PER SHIRT ON LAUNDRY PACKAGING

That's what customers report. That's why more laundries are buying Camelforms in greater quantities every month.

write

CAMPBELL BOX & TAG COMPANY
Main & Starch Streets • South Bend 23, Indiana
or your laundry supply jobber.

DARN IT!

An all purpose mending unit for repairing

Shirts • Socks
Towels • Coats
Aprons • Linens
and
Laundry Nets

Electrically operated
Easy to use—reasonably priced
Write for Details

CHANDLER MACHINE CO.
P. O. Box 426 Ayer, Mass.

TEAR OUT THIS AD AND ATTACH TO YOUR LETTERHEAD

Do You Build Your Own Washing Formulas?

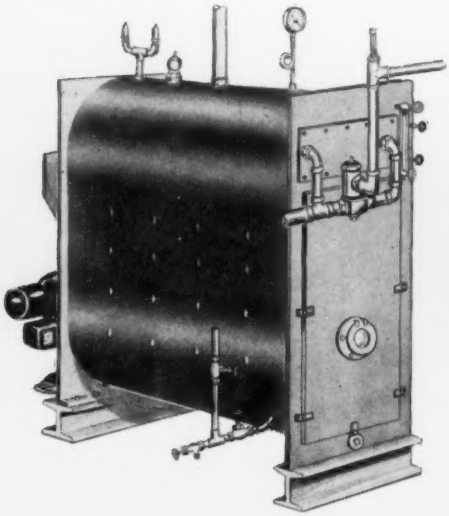
Lever's pure concentrated soaps dissolve instantly, producing heavy, full-bodied suds for the efficient washing of cottons and linens:

SPUNN DIAMOND
88% Flakes
SPUNN DIAMOND
92% Powder

Easy to handle, these pure soaps appeal particularly to launderers who build their own soap tank before adding to the wheel. They can, however, be added dry to the wheel.

For complete information, mail ad to:
LEVER BROTHERS COMPANY
390 Park Avenue, New York 22, N. Y.

USE A *Natco Tankless* WATER HEATER FOR ABUNDANT HOT WATER
. . . . AND A SEPARATE HIGH PRESSURE BOILER
TO SUPPLY PROCESS STEAM



This modern, economical method eliminates the bulky, troublesome storage tank with submerged coils.

Automatic regulation assures constant temperature hot water.

Costs approximately ½ to install.

Reduces operating costs up to ⅓ and maintenance costs ½.

NATCO is ideal for use with open end washers.

Oil or gas-fired
Thousands in
use since 1946

NATIONAL COMBUSTION CO.
101-06 43rd Avenue
Corona 68, N. Y.
Please send free illustrated literature on Natco water heater to:
Code S
Name
Address
City
State

NATIONAL *Combustion co.*
101-06 43rd AVE. CORONA 68, NEW YORK

You'll get longer life and better performance when you specify

DARNELL

CASTERS AND WHEELS

1. **RUBBER TREADS . . . a wide choice of treads suited to all types of floors, including Darnelloprene oil, water and chemical-resistant treads, make Darnell Casters and Wheels highly adapted to rough usage.**

2. **RUST-PROOFED . . . by zinc plating, Darnell Casters give longer, care-free life wherever water, steam and corroding chemicals are freely used.**

3. **LUBRICATION . . . all swivel and wheel bearings are factory packed with a high quality grease that "stands up" under attack by heat and water. Zerk fittings are provided for quick grease-gun lubrication.**

4. **STRING GUARDS . . . Even though string and ravelings may wind around the hub, these string guards insure easy rolling at all times.**

DARNELL CORPORATION, LTD.

DOWNEY (LOS ANGELES COUNTY) CALIFORNIA
60 WALKER STREET, NEW YORK 13, NEW YORK
36 NORTH CLINTON STREET, CHICAGO 6, ILLINOIS

TEAR OUT THIS AD AND ATTACH TO YOUR LETTERHEAD

Want A Better Built Soap?

For better emulsification of dirt and grime in the laundering of all fabrics, Lever supplies a scientifically balanced formula of soaps, softener, alkalies and whitener:

FORMULA 770— spray-dried to homogeneous, free-flowing beads.

Suds are heavy and full-bodied. Beads may be added dry to the wheel or used with additional builders to meet your own conditions.

For complete information, mail ad to:
LEVER BROTHERS COMPANY
390 Park Avenue, New York 22, N. Y.

Better PACKAGED BOILERS

- Completely factory assembled and fire tested.
- Fully automatic operation.
- 4-pass down draft design.
- Built-in induced draft.
- 80% thermal efficiency guaranteed.
- From 20 to 600 b.h.p. Burns oil, gas or both.

GET THE DETAILS FREE

BULLETIN 781F

for performance you can **BANK** *on*

SUPERIOR STEAM GENERATORS

SUPERIOR COMBUSTION INDUSTRIES INC.
TIMES TOWER, TIMES SQUARE, NEW YORK 36, N. Y.

for longer life on press and mangle

insist on

Thomaston "PEERLESS" (BRAND)

COTTON COVER DUCK
COTTON COVER CLOTH
in wanted sizes and weights

available through your supply jobber

Top quality, durable products developed expressly to give superior service for long periods. Perfected to produce a fine, smooth finish on all types of work. Also manufacturers of INDUSTRIAL TEXTILES such as: TIRE FABRICS • HOSE AND BELT DUCKS • SHEETINGS • CHAFERS YARNS • THREADS • COATING FABRICS • WRAPPING TWINES DIVERSIFIED COTTON FABRICS.

Other Available Facilities:
BLEACHING, DYEING, FINISHING, SEWING

THOMASTON MILLS, THOMASTON, GA.
New York Office: 40 Worth Street

ORDER TODAY FROM YOUR SUPPLY HOUSE

BETTER WORK • BETTER PROFITS
with **BETTER PRODUCTS**

QUICK IDENTIFICATION With the New, Brilliant-Colored

PERMA • NET MARKERS

EIGHT EASY-TO-READ COLORS

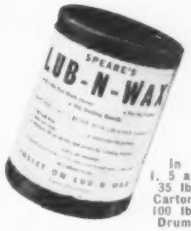
Designed for easy handling. Speare Markers *spin* on pin, will not wear out or tear out! Colors Black, Blue, Brown, Green, Orange, Red, White and Yellow for every classification. Get *quick* low-cost identification! Order a supply today!

ORDER FROM YOUR LOCAL SUPPLY HOUSE

WITH BETTER FINISH • ECONOMY • SPEED

New LUB-N-WAX

- New Lub-N-Wax resists caking! Lubricates at high ironer speeds. Ideal for "spot" waxing without stopping ironer.
- Adds life to aprons and covers. Does not carbonize or build up scale. The economical, perfect, easy-to-use wax!



In 1, 5 and 35 lb. Cartons 100 lbs. Drums

THE **SPEARE** CO.

CHICAGO: 2235 S. Ford DETROIT: 1627 W. Fort KANSAS CITY: 1422 St. Louis Ave.

RISDON REMO

MEMBER
AMERICAN INSTITUTE OF LAUNDERING CERTIFIED WASHABLE
THE *Best* IN LAUNDRY SERVICE

LCATA LAUNDRY & CLEANERS MEMBER ALLIED TRADES ASSN

KNOWN FOR QUALITY & SERVICE THROUGHOUT THE TRADE

- Immediate Shipments
- Complete Dealer Coverage
- A Pin For Every Need

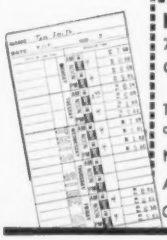
THE RISDON MANUFACTURING COMPANY
NAUGATUCK, CONN. RI-63

WRITE FOR LATEST COMPLETE CATALOG

WASH OUT LOST TIME!

Lathem TIME RECORDER

Lost time eats up laundry profits. Eliminate this loss by reducing tardiness *inexpensively* with a Lathem Time Recorder.



LATHEM TIME RECORDER CO.
70 Third St., N.W., Atlanta, Georgia

Gentlemen:

Please send me full information on the Lathem Time Recorder. I understand there is no obligation on my part.

Name_____
Address_____
City_____ State_____

DIRECTORY SECTIONS

of the Guidebook for the Laundry Industry

CLASSIFIED DIRECTORY . . . Page 183

For ready reference to any or all manufacturers of laundry products turn to the alphabetical listing of supplies and equipment. In most instances products are listed under the noun—that is, "Starch, Corn" rather than "Corn Starch." This arrangement is followed consistently except where common usage has joined the two words; for instance, "Puff Irons" rather than "Irons, Puff." Although listings are planned to yield the desired heading immediately, the directory is thoroughly cross-indexed. Display advertisers are listed in bold face type. For further information and page numbers of their ads see Advertisers in This Issue, page 320.

TRADE NAMES . . . . . Page 247

This alphabetical list will be of continuing value to the laundryowner who wishes to identify the manufacturers of the industry's trade name products.

MANUFACTURERS . . . . . Page 270

Listed alphabetically here are laundry equipment and supply manufacturers together with their locations. Having found a firm name in either of the directories described above, use this list to determine where to address your correspondence.

LOCAL BUYERS' GUIDE . . . Page 279

This geographical breakdown provides complete buying information. Here you will find the jobbers or the branch offices serving your community. On the basis of the information we have received, firm names followed by (E) are jobbers for equipment, firm names followed by (S) are jobbers for supplies, and firm names followed by (E & S) are jobbers for both equipment and supplies. Bold face type denotes display advertisers. Index to Advertisers, page 320, will provide the page number where you can obtain a complete description of their products.

Every effort is made to insure the completeness and accuracy of the following directory sections. However, this information is published as a service, and no guarantee against errors or omissions is expressed or implied. Additions or corrections are invited at any time. Please address the publisher.

Classified Directory

manufacturers of equipment and supplies used in the laundry industry . . .

ABSORBERS, ODOR
Atlas Powder Co., Chemicals Div.
Caled Products Co., Inc.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Davies-Young Soap Co.
Keystone Chemical Co.

ABSORBERS, VIBRATION
Aetna Felt Co., Inc.
American Brass Co., American Metal Hose Branch
Eclipse-Pioneer Div., Bendix Aviation Corp.
Flexonics Corp.
Johnson Metal Hose, Inc.
U. S. Rubber Co.

ACCOUNTING MACHINES AND SYSTEMS
Burroughs Adding Machine Co.
National Cash Register Co.
Recordak Corp.
Remington Rand Inc.
Underwood Corp.

ACETATE, ALUMINUM
See: Aluminum Acetate

ACETIC ACID
DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Hachuk Bleach Co.
Mallinckrodt Chemical Works

ACETONE
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
DuPont de Nemours, E. I., & Co., Inc.
Mallinckrodt Chemical Works

ACID-RESISTING BUCKETS
See: Buckets and Pails, Acid-Resisting

ACID-RESISTING HARD RUBBER FITTINGS
See: Fittings, Acid-Resisting, Hard Rubber

ACID-RESISTING PAINT
See: Paint

ACID-RESISTING PIPE
See: Pipe, Acid-Resisting, Alloy

ACID-RESISTING TANKS
See: Tanks, Acid-Resisting

ACIDS
See: Acetic Acid, Ozalic Acid

ACTIVATED CARBON
Atlas Powder Co., Chemicals Div.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Elgin Softener Corp.
Permutit Co.
Salomon, L. A., & Bro.
Stover Water Softener Co.

ADDING MACHINES
Allen, R. C., Business Machines, Inc.
Burroughs Adding Machine Co.
Monroe Calculating Machine Co., Inc.
National Cash Register Co.
Remington Rand Inc.

ADDRESSING EQUIPMENT
Addressograph-Multigraph Corp.
Elliott Addressing Machine Co.

ADSORBENTS
See: Activated Carbon, Filter Powder

ADVERTISING POSTERS
See: Posters

ADVERTISING AND SALES PROMOTION MATERIALS
Allied Printing & Stationery Co., Inc.
Belnap & Thompson, Inc.
Capital Poster Service
Cappel, MacDonald & Co.
Connolly, J. J., Inc.
Crewdson Co.
Dipcraft Mfg. Co.
Edwards, Vincent, & Co.
Ellenbogen & Shannon, Inc.
Foster-Stephens, Inc.
Larick Mfg. Co.
Lasca, Inc.
Martin, Reba, Inc.
Master, Geo., Div.
Mulholland Harper Co.
Nashua Corp., Sure-Hold Div.
Rubinoff, M., Inc.
Shop-In-Car Corp.
Taylor Host, Inc.
Universal Match Corp.

AFTERCOOLERS
Davis Engineering Corp.
Johnson Corp.
Kewanee-Ross Corp.
Murray, D. J., Mfg. Co.
Patterson-Kelley Co., Inc.
Whitlock Mfg. Co.
Young Radiator Co.

AIR CLEANERS
Drico Industrial Corp.
Mine Safety Appliances Co.
Wright-Austin Co.

AIR COMPRESSORS
See: Compressors, Air

AIR CONDITIONERS
Air Cooling Engineering Co.
American Blower Corp., Div. American-Standard
Brunner Mfg. Co.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Carrier Corp.
Chrysler Corp., Airtemp Div.
Clarage Fan Co.
Cuno Engineering Corp.
Curtis Mfg. Co.
Essick Mfg. Co.
Eure & Co.
Fairbanks Morse & Co.
Fridgidaire Div., General Motors Corp.
General Electric Co.
Kelvinator Div., Nash-Kelvinator Corp.
Murray, D. J., Mfg. Co.
National Ventilating Systems Div., National System of Garage Ventilation, Inc.
Petroleum Heat & Power Co.
Reliable Machine Works, Inc.
Vic Cleaning Machine Co.
Young Radiator Co.

AIR COOLERS
See: Coolers, Oil, Water, Air

AIR ELIMINATORS
Armstrong Machine Works
Gorton Heating Corp.
Sarco Co., Inc.
Strong, Carlisle & Hammond Co.
Wright-Austin Co.

AIR FILTERS
Air Cooling Engineering Co.
Bonn, P. H., Co.
Drico Industrial Corp.
Le Roi Co., Subsidiary Westinghouse Air Brake Co.
Master Products Co.
Mine Safety Appliances Co.
Strong, Carlisle & Hammond Co.
Taco Heaters, Inc.
Watts Regulator Co.

AIR GAUGES
See: Gauges, Air

AIR HEATERS
See: Heaters, Air

AIR METERS
See: Meters, Air

AIR SEPARATORS
De Vilbiss Co.
Johnson Corp.
Keckley, O. C., Co.
Strong, Carlisle & Hammond Co.
Watts Regulator Co.
Wright-Austin Co.

AIR TANKS
See: Tanks, Air

AIR TRAPS
Anderson, V. D., Co., Div. International Basic Economy Corp.
Armstrong Machine Works
Keckley, O. C., Co.
Sarco Co., Inc.
Squires, C. E., Co.
Sterling Engineering & Mfg. Corp. (Templeton Mfg. Co.)
Strong, Carlisle & Hammond Co.
Wright-Austin Co.

AIR VACUUM SYSTEMS, PRESSES
See: Vacuum Systems, Presses

ALARMS, HIGH- AND LOW-WATER
Bailey Meter Co.
Campbell, J. A., Co.
Combustion Control Corp.

(Continued on next page)

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Alarms, High- and Low-Water (*Continued*)
Cutler-Hammer Inc.
Johnson Corp.
Kisco Boiler & Engineering Co.
McDonnell & Miller, Inc.
Minneapolis-Honeywell Regulator Co.
Northern Equipment Div., Continental Foundry & Machine Co.
Schaub, Fred H., Engineering Co.
Sterling, Inc.
Watts Regulator Co.
Wright-Austin Co.

ALARMS, SIGNAL

Bildwell Mfrs.
Campbell, J. A., Co.
Leslie Co.
McDonnell & Miller, Inc.
Minneapolis-Honeywell Regulator Co.
Norman Control Co.
Photoswitch, Inc.
Rosenthal Mfg. Co.
Schaub, Fred H., Engineering Co.
Sterling, Inc.
U. S. Gauge Div., American Machine & Metals, Inc.
Wright-Austin Co.

ALCOHOL

Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.

ALKALI COMPOUNDS, SPECIAL

Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Carlton Chemical Co., Inc.
Columbia-Southern Chemical Corp.
Cowles Chemical Co.
Diamond Alkali Co.
Diamond Chemical Co., Inc.
Dow Chemical Co.
Drew, E. F., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Kliegman Bros., Inc.
Kohnstamm, H., & Co., Inc.
Lewis National Corp.
M & M Chemical Corp.
North Coast Chemical & Soap Works
Patek & Co.
Pennsylvania Salt Mfg. Co.
Riverside Chemical Co., Inc.
Robins, G. S., & Co.
Solvay Process Div., Allied Chemical & Dye Corp.
Speare Co.
Speedlite Chemicals Co.
Stadham Co., Inc.
Stauffer Chemical Co.
Stearns, George, Chemical & Mfg. Co.
Thompson-Hayward Chemical Co.
Van Chemical Co.
Washine National Sands, Inc.
Wyandotte Chemicals Corp., J. B. Ford Div.

ALKALI-RESISTING PAINT

See: Paint

ALUMINUM ACETATE

DuPont de Nemours, E. I., & Co., Inc.
Mallinckrodt Chemical Works

ALUMINUM CASTINGS

See: Castings, Brass, Bronze and Aluminum

ALUMINUM PAINT

See: Paint

ALUMINUM PIN CARRIERS

See: Pin Carriers

AMMONIA

Armour & Co., Industrial Soap Div.
DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Hachik Bleach Co.
Hood Chemical Co., Inc.
Mallinckrodt Chemical Works
North Coast Chemical & Soap Works
Olin Mathieson Chemical Corp.
Pennsylvania Salt Mfg. Co.
Thoro Products Co.
Tremm Chemical Corp.

AMMONIUM ACID FLUORIDE

See: Sours

ANGLE VALVES

See: Valves, Angle

ANILINE DYES

See: Dyes

ANTISEPTICS

Davis Emergency Equipment Co., Inc.
Drew, E. F., & Co. Inc.
Fairfield Laboratories
General Dyestuff Corp.
Huntington Laboratories, Inc.
Lincoln Research, Inc.
Mallinckrodt Chemical Works
Sterwin Chemicals, Inc.

ANTI STATIC AGENTS

Davies-Young Soap Co.

BUCKEYE
CLEAN-CHARGE®†
Solvent Success
Produces Nationally Advertised
"LINT-FREE • CLING-FREE"*
DRY CLEANING PROCESS
Carries PARENTS MAGAZINE Seal
The Davies-Young Soap Co., Dayton, Ohio
†U. S. Pat. No. 2729576; Other Patents Pending
*Trade Mark of the Davies-Young Soap Company

Dyer Co., The

APRON LACERS, LAUNDRY

See: Lacers, Laundry Apron

APRONLESS IRONERS

See: Ironers, Apronless

APRONS, ALLIGATOR-LACED

Carson Textile Co., Inc.
Hettrick Mfg. Co.
Kohnstamm, H. & Co., Inc.
Patek & Co.
Tingue, Brown & Co.
Victor Balata & Textile Belting Co.

APRONS, CANVAS OR DUCK

American Associated Cos.
Best Coat & Apron Mfg. Co., Inc.
Bostwick-Batterson Co.
Callaway Mills, Inc.
Canvas Specialty Co.
Carson Textile Co., Inc.
Colorado Tent & Awning Co.
Daniels, C. R., Inc.
Fry Bros. Co.
General Scientific Instrument Co.
Hettrick Mfg. Co.
Industrial Products Co.
Keystone Coat & Apron Mfg. Corp.
Lanning Bag & Specialties Co.
Lewis National Corp.
Manitowoc Cotton Goods Mfg. Co.
Minnesota Chemical Co.
Mount Vernon Mills, Inc.
Patek & Co.
Pittsburgh Waterproof Co.
Robins, G. S., & Co.
Southern Mills, Inc.
Stadham Co., Inc.
Sterling Supply Corp.
Super Laundry Machinery Co.
Tingue, Brown & Co.

TINGUE, BROWN & CO.
FABRIC SPECIALISTS FOR THE LAUNDRY INDUSTRY
"LONGLIFE," "EXTRA HEAVY," "LONGWEAR" Aprons deliver quality ironing at the lowest cost. Sold with a money back guarantee.
723 E. Washington Blvd., Los Angeles 21, Calif., Richmond 9-6073
507 Bishop Street, N.W., Atlanta, Georgia, ATwood 3864
1227 Wabash Avenue, Chicago 5, Illinois, HArrison 7-0082
1765 Carter Avenue, New York 57, N. Y., CYpress 9-8800

Troy Sunshade Co.
U. S. Rubber Co.
Victor Balata & Textile Belting Co.
Whitman Supply Co., Inc.

APRONS, CLIPPER-LACED

Callaway Mills, Inc.
Carson Textile Co., Inc.
Colorado Tent & Awning Co.
Fry Bros. Co.
Hettrick Mfg. Co.
Kohnstamm, H., & Co., Inc.
Lewis National Corp.
Patek & Co.
Pittsburgh Waterproof Co.
Robins, S. G., & Co.
Speare Co.
Stadham Co., Inc.
Sterling Supply Corp.
Super Laundry Machinery Co.
Thompson-Hayward Chemical Co.
Tingue, Brown & Co.
Victor Balata & Textile Belting Co.
Whitman Supply Co., Inc.

APRONS, WASHROOM

Bonn, P. H., Co.
Charleston Rubber Co.
Daniels, C. R., Inc.
Gates Rubber Co.
Goodrich, B. F., Co.
Hodge, Farwell & Co.
Industrial Products Co.
Mine Safety Appliance Co.
Schwartz, B. W., Co.
Tingue, Brown & Co.
U. S. Rubber Co., Textile Div.

ARCHES, FURNACE, FLAT *SUSPENDED*

Mexico Refractories Co.
Ramtite Co., Div. S. Obermayer Co.
Reintjes, George P., Co.

ASBESTOS CEMENT

See: Cement, Asbestos

ASBESTOS COVERS AND PADDING

Aetna Felt Co., Inc.
American Associated Cos.
Behrstock, L., Co.
Bonn, P. H., Co.
Callaway Mills, Inc.
Carey, Philip, Mfg. Co.
Firefly Asbestos Products Co.
Gibraltar Fabrics, Inc.
Gustin-Kramer Co.
Johns-Manville
Knitted Padding Co.
Norton & Williams, Inc.
Pittsburgh Waterproof Co.
Revolite Div., Raybestos-Manhattan, Inc.

REVOLITE
REG. U. S. PAT. OFF.
LAUNDRY ROLL COVERS
"The original asbestos covers and paddings"
Last longer • Cost less
Increase production of flat-work ironers
Assure top-quality work
Reduce shut-downs for cover changes
Service from every angle
RAYBESTOS-MANHATTAN, INC.
500 5th Ave., New York 36, N. Y.

Smith, K. S., Inc.
Southern Mills, Inc.
Stadham Co., Inc.
Tingue, Brown & Co.
U. S. Rubber Co., Textile Division

ASBESTOS PAPER

Callaway Mills, Inc.
Carey, Philip, Mfg. Co.
Gibraltar Fabrics, Inc.
Tingue, Brown & Co.

ASH, SODA

See: Soda Ash (Sodium Carbonate)

ASSEMBLY CIRCUITS

See: Conveyors, Monorail

ASSEMBLY HOOKS

Cleaners Sales & Equipment Corp.
Identification, Inc.
Ink-O Products Co.
Smith, Frank R., Co.
Speed Check Co., Inc.
Stry-Lenkoff Co.
Time Savers, Inc.
V & W Equipment, Inc.

We GUARANTEE to stop Your Assembly Worries!
CRUSH-PROOF HOOKS
10-day Free Trial Offer
V & W EQUIPMENT, INC.
124 S. Blount St. East Point, Ga.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

ASSEMBLY RACK DIVIDERS

Bernard-Franklin Co., Inc.
Identification, Inc.
Ink-O Products Co.
Keyes-Davis Co.
Time Savers, Inc.
White Machine Co., Inc.

ASSEMBLY REELS

See: Sorting Reels

AUTOGRAPHIC REGISTERS

See: Registers, Autographic

AUTOMATIC CONTROLS

See: Controls and Regulators (specific headings). also see: Timers, Washer

AUTOMATIC COUNTERS

See: Counters, Automatic

AUTOMATIC SCALES

See: Scales

AUTOMATIC TIMERS

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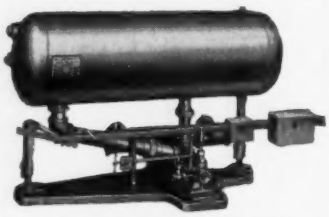
ACKER EQUALIZERS
Save Fuel
Increase boiler efficiency
Full information and recommendations for solution of your problems without obligation from
ACKER CORPORATION
Box 3117-A **North Sta.**
MERIDIAN MISS.

Alert Boiler & Mfg. Co.
Butler Mfg. Co.
Carver, Tom, Inc.
Cissell, W. M., Mfg. Co., Inc.
Cochrane Corp.

COCHRANE C-B SYSTEM
OF HIGH PRESSURE CONDENSATE RETURN
Keeps ironers, presses, tumblers at high, uniform temperatures by returning condensate to boilers at high temperatures and high pressures. Increases production, saves fuel.
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Dixon Boiler Works
Eclipse Fuel Engineering Co.
Fulton Boiler Works, Inc.
Gabriel Boiler & Fabrication Co.
General Boiler Equipment Corp.
Glover, Bill, Inc.
Goldman Pressing Machine Corp.
Hammond Laundry-Cleaning Machinery Co.
Hapman-Dutton Co.
Healy-Ruff Co.
Johnson Corp.
Kisco Boiler & Engineering Co.
Lakewood Manufacturing Co.
Lattner, P. M., Mfg. Co.
McDonnell & Miller, Inc.
Mears-Kane-Ofeldt, Inc.
Midwest Laundry & Cleaning Machinery Co.
Morehead Mfg. Co.
Pantex Mfg. Corp.
Patterson-Kelley Co., Inc.
Schaub, Fred H., Engineering Co.
Sellers Engineering Co.
Spotswood Parker & Co.
Steamaster Automatic Boiler Co.
Sterling, Inc.
Sterling Engineering & Mfg. Corp. (Templeton Mfg. Co.)
Stone Boiler Equipment Co.
Stout, David, & Sons
Superior Combustion Industries, Inc.
U. S. Hoffman Machinery Corp.
Webster, Warren, & Co.
Whitlock Mfg. Co.
Williams & Davis Boiler & Welding Co., Inc.

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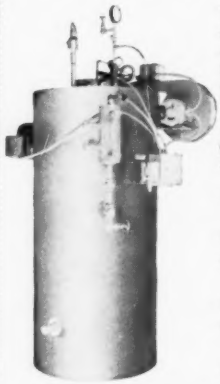
Ames Iron Works, Inc.
Automatic Steam Products Corp.
Besler Corp.
Boiler Engineering & Supply Co., Inc.
Bros, Wm., Boiler & Mfg. Co.
Brownell Co.
Bryan Steam Corp.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
Butler Mfg. Co.
Canton Stoker Corp.
Carver, Tom, Inc.
Clayton Mfg. Co.
Cleaver-Brooks Co.
Coates Electric Mfg. Co.
Columbia Boiler Co. of Pottstown
Combustion Engineering Co., Inc.
Cooper, H. P., & Co.
Crown Mfg. Co.
Custom Engineering Co.
Cyclotherm Div., Ntional-U. S. Radiator Corp.
Dewey-Shepard Boiler Co.
Dixon Boiler Works
Eclipse Fuel Engineering Co.
Electric Steam Boiler Sales, Div. Wolf Co.
Erie City Iron Works
Fulton Boiler Works, Inc.

FULTON STEAM BOILERS
Oil or Gas Fired—
Sizes 6 to 30 H. P.
15 to 125 PSI Design Press

The Fulton Steam Boiler—the lifetime boiler. No tubes or coils to burn out, no costly repairs and shutdowns.
- **Fully automatic**
- **Efficient**
- **Fast steaming**
- **Compact**
- **No tubes or coils**
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Hapman-Dutton Co.
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Keeler, E., Co.
Kewanee Boiler Corp.
Kisco Boiler & Engineering Co.
Kresky Mfg. Co., Inc.
Lattner, P. M., Mfg. Co.
Leffel, James, & Co.
Livingstone Engineering Co.
Lookout Boiler & Mfg. Co.
Lucey Boiler & Mfg. Co.
Martin Equipment Co., Div. American Laundry Machinery Co.
Mears-Kane-Ofeldt, Inc.
Morheat Corp.
Mund Boilers, Inc.
Old Dominion Iron & Steel Corp.
Ontario Iron Works
Orr & Sembower, Inc.
Parker, Sid E., Boiler Mfg. Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

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WATER TUBE BOILERS
From 7½ h.p. to 400 h.p.
WRITE FOR OUR LATEST CATALOG
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Titusville Iron Works Co., Div. Struther Wells Corp.
Troy Engine & Machinery Corp.
U. S. Hoffman Machinery Corp.
Vapor Heating Corp.
Williams & Davis Boiler & Welding Co., Inc.
York-Shipley, Inc., Industrial Div.

BOILER SCALE SOLVENT

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Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Clayton Mfg. Co.
Doctor Boiler, Inc.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Huntington Laboratories, Inc.
Kisco Boiler & Engineering Co.
KleanMore Laboratories, Inc.
National Chemical Sales Co., Inc.
Oakite Products, Inc.
Patek & Co.
Permutit Co.
Riverside Chemical Co., Inc.
Strong, Carlisle & Hammond Co.
Trio Chemical Works, Inc.

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Plibrico Co.
Ramtite Co., Div. S. Obermayer Co.
Reintjes, George P., Co.
Steamaster Automatic Boiler Co.
Williams & Davis Boiler Welding Co., Inc.

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Hammond Laundry-Cleaning Machinery Co.
Republic Steel Corp.
Steamaster Automatic Boiler Co.
Williams & Davis Boiler & Welding Co., Inc.

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Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Elgin Softener Corp.
General Chemical Div., Allied Chemical & Dye Corp.
Kisco Boiler & Engineering Co.
Maas, A. R., Chemical Co., Div. Victor Chemical Works
National Aluminate Corp.
National Chemical Sales Co., Inc.
Permutit Co.
Riverside Chemical Co., Inc.
Rumford Chemical Works
Solvay Process Div., Allied Chemical & Dye Corp.
Stearns, George, Chemical & Mfg. Co.
Strong, Carlisle & Hammond Co.

BOILER WATER TREATMENT

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Graver Tank & Mfg. Co., Inc.
Hagan Corp.
Hungerford & Terry, Inc.
Huntington Laboratories, Inc.
Kisco Boiler & Engineering Co.
Lincoln Research, Inc.
National Aluminate Corp.
National Chemical Sales Co., Inc.
Permutit Co.
Proportioneers, Inc.
Riverside Chemical Co.
Scientific Boiler Water Conditioning
State Mfg. Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Strong, Carlisle & Hammond Co.

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• Removes and prevents scale
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See: Buttons

BOOKKEEPING MACHINES

See: Registers, Cash and Control

BOOKS, SALES

See: Sales Books

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Goodrich, B. F., Co.
U. S. Rubber Co.

BORAX

Columbia-Southern Chemical Corp.
DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Innis, Speiden & Co.
Pacific Coast Borax Co.
Sergeant, E. M., Pulp & Chemical Co., Inc.
Stauffer Chemical Co.

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Automatic Paper Box Corp.
Brooks, Alfred J.
Campbell Box & Tag Co.

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Cornell Paper Board Products Co.
Gronauer, M. H., Co.
Loroco Industries, Inc.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Para-Lux Products Co.
Quik-Pac Div., H. Wesley Hutchins Co.
Rosenthal Paper Co.
Spear Box Co., Inc.
Sutherland Paper Co.
U. S. Tissue Converting Co.
West Side Corp.

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Bernard-Franklin Co., Inc.
Eastern Cyclone Conveyor Systems, Inc.
Kirk & Blum Mfg. Co.
Miller Laundry Machinery Co.
Republic Steel Corp.

BOXES, WOOD

Anderson Box & Basket Co., Inc.
Kentucky Box & Truck Co.
Lewis, G. B., Co.
Thoro Products Co.

BRAKE AND CLUTCH BRAKE MATERIALS

See: Friction Materials, Brakes, Clutches, etc.

BRASS

See: Copper and Brass

BRASS CASTINGS

See: Castings, Brass, Bronze, Aluminum and Alloy

BRASS PIN CARRIERS

See: Pin Carriers

BREAK POWDER

Acme Soap Co.
Armour & Co., Industrial Soap Dept.
Cowles Chemical Co.
Diamond Alkali Co.
Diamond Chemical Co., Inc.
Drew, E. F., & Co., Inc.
Kliegman Bros., Inc.
Kohnstamm, H. & Co., Inc.
Laundry Chemicals Co.
Los Angeles Soap Co.
Minnesota Chemical Co.
M & M Chemical Co.
Oakite Products, Inc.
Pennsylvania Salt Mfg. Co.
Procter & Gamble Distributing Co.
Speare Co.
Speedlite Chemicals Co.
Stadham Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Swift & Co., Industrial Soap Dept.
Van Chemical Co.
Wyandotte Chemicals Corp., J. B. Ford Div.

BRICK PAINT

See: Paint

BRONZE CASTINGS

See: Castings, Brass, Bronze, Aluminum and Alloy

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Atlanta Brush Co., Inc.
Braun Brush Co.
Certified Chemical & Equipment Co.
Cohen, Abe, & Son
Dyo Chemical Co.
Glamorene, Inc.
Hatters Supply House, Inc.
National Hatters Supply Co.
Newhouse Specialty Co., Inc.
Pennington Co.

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See: Rotary Brushes (rug cleaning) or Rotary Brushes (fur cleaning)

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Bishop David Freeman Co.
Daniels, C. R., Inc.
General Scientific Equipment Co.
Goodrich, B. F., Co.
Knight, Maurice A.
Rochester Can Co.

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Bishop David Freeman Co.
Gates Rubber Co.
Goodrich, B. F., Co.
International Nickel Co., Inc.
Kirk & Blum Mfg. Co.

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Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

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See: Covers, Button and Buckle

BUCKLES, CLOTH-COVERED (MOLDS)
Handy Button Machine Co.
Maxant Button & Supply Co.
Prym, William, Inc.

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Armour & Co., Industrial Soap Dept.
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Cowles Chemical Co.
Diamond Alkali Co.
Diamond Chemical Co., Inc.
Drew, E. F., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Laundry Chemicals Co.
Lewis National Corp.
Los Angeles Soap Co.
Maas, A. R., Chemical Co., Div. Victor Chemical Works
Minnesota Chemical Co.
M & M Chemical Co.
North Coast Chemical & Soap Works
Pennsylvania Salt Mfg. Co.
Philadelphia Quartz Co.
Rumford Chemical Works
Solvay Process Div., Allied Chemical & Dye Corp.
Speare Co.
Speedlite Chemicals Co.
Stadham Co., Inc.
Stearns, George, Chemical & Mfg. Co.
Thompson-Hayward Chemical Co.
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Porto-Fab Co., Inc.

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See: Racks, Bundle

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See: Stokers

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Combustioneer Div., Steel Products Engineering Co.
Crane Co.
Dewey-Shepard Boiler Co.
Eclipse Fuel Engineering Co.
Engineer Co.
Hammond Laundry-Cleaning Machinery Co.
Lattner, P. M., Mfg. Co.
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Norman Control Co.
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Petro Div., Iron Fireman Mfg. Co.
Ray Oil Burner Co.
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Anthony Co.
Bryant Heater Div., Affiliated Gas Equipment, Inc.
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Eclipse Fuel Engineering Co.
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Petro Div., Iron Fireman Mfg. Co.
Ray Oil Burner Co.
Rockwell, W. S., Co.
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Steamaster Automatic Boiler Co.
Williams & Davis Boiler & Welding Co., Inc.

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Combustioneer Div., Steel Products Engineering Co.
Crane Co.
Dewey-Shepard Boiler Co.
Eclipse Fuel Engineering Co.
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Peabody Engineering Corp.
Petro Div., Iron Fireman Mfg. Co.
Ray Oil Burner Co.
Rockwell, W. S., Co.
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Will-Burt Co.
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See: Sales Books, Record Systems

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See: Covers, Button and Buckle

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Prym, William, Inc.
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Hopkins Equipment Co.
Kisco Boiler & Engineering Co.
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Here's the SAFE Way to handle flammable liquids

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Use approved Eagle Safety Cans for storing or handling all kinds of volatile or flammable liquids such as naphtha, benzine, benzol, etc.

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See: Binding, Rug and Carpet

CARPET AND RUG CLEANING EQUIPMENT
See: Rug and Carpet Cleaning Equipment

CARPET AND RUG DRIERS
See: Driers, Rug and Carpet

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

CARPET AND RUG DUSTERS
See: Dusters, Rug and Carpet

CARPET AND RUG SCRUBBING MACHINES
See: Scrubbing Machines, Rug and Carpet

CARPET AND RUG WRINGERS
See: Wringers, Rug and Carpet

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Speare Co.
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V & W Equipment, Inc.
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Spear Box Co., Inc

CASES, NECKTIE
Nashua Corp., Sure-Hold Div.
Rosenthal Paper Co.
Spear Box Co., Inc.
Time Savers, Inc.

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Cornell Paperboard Products Co.
Kentucky Box & Truck Co.
Spear Box Co., Inc.

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See: Registers, Cash and Control

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Colson Corp.
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Southern Mills, Inc.
Time Savers, Inc.

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Crucible Steel Co. of America
Eclipse-Pioneer Div., Bendix Aviation Corp.
International Nickel Co., Inc.
Keyes-Davis Co.
Magline, Inc.
Stafford Mfg. Co., Inc.

CASTINGS, STAINLESS STEEL
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Crucible Steel Co. of America
Stafford Mfg. Co., Inc.

CAUSTIC SODA (SODIUM HYDROXIDE)
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Diamond Alkali Co.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Hooker Electrochemical Co.
Innis, Speiden & Co.
Mallinckrodt Chemical Works
Olin Mathieson Chemical Corp.
Pennsylvania Salt Mfg. Co.
Solvay Process Div., Allied Chemical & Dye Corp.
Stauffer Chemical Co.

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Comet Envelope & Paper Co., Inc.
Cupple-Hesse Corp.
Duro Envelope Co.
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Ellenbogen & Shannon, Inc.
Freydberg Bros.-Strauss, Inc.
Kwik-Kover Sales Co.
Kordite Corp.
Loroco Industries, Inc.
Mehl Mfg. Co.
New York Twine Corp.
Olin Cellophane Div., Ecusta Paper Corp.
Pak-Rite Flexible Packaging Co.
Southland Enterprises
Spear Box Co., Inc.
Steinman Paper Products
Sylvania Div., American Viscose Corp.
Tele-Vue Packaging Products, Inc.
Time-Savers, Inc.

CELLOPHANE SHIRT BAGS
See: Bags, Shirt

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Carey, Philip, Mfg. Co.
Flintkote Co.
Johns-Manville
Keever Starch Co.
Midland Paint & Varnish Co.
Pittsburgh Waterproof Co.
Steelcote Mfg. Co.
Tingue, Brown & Co.

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Goodrich, B. F., Co.
Graton & Knight Co.
U. S. Rubber Co.
Victor Balata & Textile Belting Co.
Williams, I. B., & Sons

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Kohnstamm, H. & Co., Inc.
Lewis National Corp.
Philadelphia Quartz Co.
Pittsburgh Waterproof Co.
Stadham Co., Inc.
Tingue, Brown & Co.
Washine National Sands, Inc.

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Johns-Manville
Pecora Paint Co., Inc.
Ramtite Co., Div. S. Obermayer Co.
Ruberoid Co.

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DuPont de Nemours, E. I., & Co., Inc.
Goodrich, B. F., Co.
International Metal Polish Co.
Johns-Manville
Paisley Products, Inc.
Steelcote Mfg. Co.

CEMENT, LEATHER BELTING
Cornell Belting Co.
DuPont de Nemours, E. I., & Co., Inc.
Goodrich, B. F., Co.
Graton & Knight Co.
Milwaukee Leather Belting Co.
Webb Belting & Supply Co.
Williams, I. B., Sons

CEMENT PAINT
See: Paint

CEMENT, REFRACTORY
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Green, A. P., Fire Brick Co.
Johns-Manville
Mexico Refractories Co.
Quigley Co., Inc.
Ramtite Co., Div. S. Obermayer Co.

CEMENT, RUBBER
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Goodrich, B. F., Co.
Johns-Manville
Paisley Products, Inc.
Pennsylvania Rubber Co.
U. S. Rubber Co.
U. S. Stoneware Co.

CENTRIFUGAL PUMPS
See: Pumps (under specific headings)

CENTRIFUGAL PUMPS, SELF-PRIMING
See: Pumps (under specific headings)

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Diamond Chain Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Link-Belt Co.
Ramsey Chain Co., Inc.
White Machine Co., Inc.

CHAIN DRIVE SPROCKETS
Boston Gear Works, Inc.
Diamond Chain Co., Inc.
Link-Belt Co.
Ramsey Chain Co., Inc.
White Machine Co., Inc.

CHAIN GRATE STOKERS
See: Stokers

CHAIN TRANSMISSION
See: Transmission, Chain

CHANNEL ROOFING, METAL
See: Roofing, Channel, Metal

CHARGE SYSTEMS, DRYCLEANING
See: Detergents, Drycleaning, Charge Type

CHECK VALVES
See: Valves, Check

CHEMICAL FEEDERS
See: Feeders, Chemical

CHEMICAL PUMPS
See: Pumps, Chemical

CHEMICALS, BOILER-WATER
See: Boiler-Water Chemicals

CHEMICALS, STEAM-TREATING
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See: Cuff Cleaners

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See: Drainpipe Cleaners

CLEANERS, PRESS
See: Press Cleaners

CLEANERS, PRESS-HEAD
See: Press-Head Cleaners

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See: Aprons, Clipper-Laced

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See: Hanger Clips

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See: Controls and Regulators, Time

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COMPOUNDS, RUG CLEANING AND FINISHING
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See: Alkali Compounds, Special

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Hapman-Dutton Co.

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Butler Mfg. Co.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Kling "100" Corp.

New! *Kling* Air-Matic 2 Bath System
Automatic Air-Controlled Drycleaning
Kling "100" Corp.
2842 N. Birch St.—Franklin Pk., Ill.
(A suburb of Chicago)

Manitowoc Engineering Corp.
Martin Equipment Co., Div. American Laundry Machinery Co.
Mercury Cleaning Systems, Inc.
Mitchell, J. B., Co.
Standard Laundry & Cleaning Machinery Co.
U. S. Hoffman Machinery Corp.
Vic Cleaning Machine Co.
Washex Machinery Corp.
Western Laundry Machinery Co.

DRYCLEANING SYSTEMS USING PETROLEUM SOLVENT

American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Butler Mfg. Co.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Kling "100" Corp.
Manitowoc Engineering Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Martin Equipment Co., Div. American Laundry Machinery Co.
Mercury Cleaning Systems, Inc.
Mitchell, J. B., Co.
Pantex Mfg. Corp.
U. S. Hoffman Machinery Corp.
Vic Cleaning Machine Co.
Washex Machinery Corp.
Western Laundry Machinery Co.

DRYCLEANING SYSTEMS USING SYNTHETIC SOLVENT

American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Butler Mfg. Co.
Detrex Chemical Industries, Inc.
Manitowoc Engineering Corp.
Martin Equipment Co., Div. American Laundry Machinery Co.
Mercury Cleaning Systems, Inc.
Pantex Mfg. Corp.
Prosperity Co., Inc.
Sec-O-Matic Corp.
Shields Engineering & Mfg. Co.

SHIELDS
SYNTHETIC DRY CLEANING UNITS AND RECOVERY TUMBLERS
Shields ENGINEERING AND MANUFACTURING CO.
EST. 1915
273 EAST 156th STREET
CLEVELAND 10, OHIO

Standard Laundry & Cleaning Machinery Co.
U. S. Hoffman Machinery Corp.
Vic Cleaning Machine Co.
Washex Machinery Corp.

DRYCLEANING TUMBLERS

See: Tumblers, Drycleaning

DRYCLEANING WASHERS

See: Washers, Drycleaning, Metal, or Washers, Drycleaning, Wood

DRYING CABINETS

See: Cabinets, Deodorizing and Drying

DRYROOMS

American Laundry Machinery Co.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Kisco Boiler & Engineering Co.
Vic Cleaning Machine Co.

DUCK APRONS

See: Aprons, Canvas or Duck

DUCK COVERS

See: Press Covers or Cloth, Cover

DUMBWAITERS

Lewis-Shepard Products, Inc.

DUMP VALVES, WASHER

See: Valves, Washer Dump

DUPLICATING MACHINES

Addressograph-Multigraph Corp.

DUSTERS, RUG AND CARPET

See: Rug and Carpet Dusters

DUSTING WHEELS, RUG AND CARPET

See: Rug and Carpet Cleaning Equipment

DYE DIPPERS

See: Dippers, Dye

DYEING, GARMENT

Acme Dye House, Inc.
Almore Dye House
American Dyeing & Cleaning Co.
Central Dyeing Co.
Continental Dyers
Deluxe Dyers
Dietrich Dyers
Ditmas Garment Dyers Corp.
Duffen Dye Works
Electric City Dyeing Co.
Empire Cleaning & Dyeing Works
Fisher Dye Works
General Dyeing Co.
Imperial Dye House
Indiana Dye House
Jacobson, Lawrence, Dye Works, Inc.
Kran-Mer Corp.
Little Frenchman's Dye Works
Loebl Dye Works, Inc.
National Dye House
Omaha Dye Works
Rainbow Dye Works
Seneca Dyers, Inc.
Sharps Re-Dyeing Service
Tash, Al, Dye Works
Tru Color Dye Works, Inc.

DYEING, LEATHER AND SUEDE

Caled Products Co., Inc.
C. O. D. Cleaning & Dyeing Co.
Dyo Chemical Co.
Keystone Aniline & Chemical Co.
Kirk's Leather Cleaners
La France Dye House
Renards'
Tru Color Dye Works, Inc.

DYEING, RUG AND CARPET

Almore Dye House
Ditmas Garment Dyers Corp.
Lincoln-Hudson Rug Dyers, Inc.
Loebl Dye Works, Inc.
North American Dye Corp.
Rainbow Dye Works
Seneca Dyers, Inc.
Sharps Redyeing Co.
Tru Color Dye Works, Inc.

DYE KETTLES

Hall, Amos H., & Sons
Hamilton Copper & Brass Works

DYE MACHINES

A. A. Laundry Machinery Co.
Cummings-Landau Laundry Machinery Co., Inc.
Glover, Bill, Inc.
Hammond Laundry-Cleaning Machinery Co.
Miller Laundry Machinery Co.

DYE MARKING PINS

See: Pins, Dye Marking

DYE PADS

Caled Products Co., Inc.
Loebl Dye Works, Inc.
Merson Products Co.
Package Chemical Co., Inc.
Patek & Co.

DYES

American Aniline Products, Inc.
Calusa Chemical Co.

Calusa Dyes for Shop Towels
Caldyes Makes 70 Colors for Shag Rugs
CALUSA CHEMICAL CO.
(formerly Cal Products Co.)
2132 Sacramento St., Los Angeles 21, Calif.

Davies-Young Soap Co.
DuPont de Nemours, E. I., & Co., Inc.
Dyo Chemical Co.
Eaton Chemical & Dyestuff Co.
General Dyestuff Corp.
Keystone Aniline & Chemical Co.
Loebl Dye Works, Inc.
Merson Products Co.
National Aniline Div., Allied Chemical & Dye Corp.
North American Dye Corp.
Patek & Co.

DYES, FUR

See: Fur Cleaning Supplies

DYES, LAUNDRY

See: Dyes

ECONOMIZERS, FUEL

Bros, Wm., Boiler & Mfg. Co.
Lakewood Manufacturing Co.
Patterson-Kelley Co., Inc.
Stout, David, & Sons

EDGE IRONERS

See: Ironers, Edge

EJECTORS, ACID-RESISTING

Ohio Injector Co.

EJECTORS, SEWAGE

Chicago Pump Co.
Horn, A. C., Co., Inc.
Yeomans Bros. Co.

ELECTRIC CAPACITORS

See: Capacitors, Electric

ELECTRIC GENERATORS

See: Generators, Electric

ELECTRIC HOISTS

See: Hoists

ELECTRIC IRONS

See: Irons, Electric

ELECTRIC METERS

See: Meters, Electric

ELECTRIC MOTORS

See: Motors, Electric

ELECTRIC SWITCHGEAR

See: Switchgear, Electric

ELECTRIC TIMERS

See: Timers, Electric

ELECTRIC TRANSFORMERS

See: Transformers, Electric

ELECTRIC TRUCKS

See: Trucks, Industrial

ELECTROLYTIC BLEACH-MAKING MACHINES

See: Bleach-Making Machines

ELIMINATOR, FLATWORK IRONER STRING-MARKING

See: Ironers, Flatwork, String-Marking Eliminator

ELIMINATORS, AIR

See: Air Eliminators

ELIMINATORS, ODOR

See: Odor Eliminators

EMBLEMS

A-B Novelty Corp.
Conrad Embroidery Co.

EMPLOYEES' BADGES

See: Badges, Employees'

EMULSIFIER, PINE-OIL

See: Pine-Oil Emulsifier

EMULSIONS, WAX

Apex Chemical Co., Inc.
Concord Chemical Co., Inc.
Continental Car-Na-Var Corp.
DuPont de Nemours, E. I., & Co., Inc.
Hercules Powder Co.
Hope Chemical Co.
Lincoln Research, Inc.
Multi-Clean Products, Inc.
Namco Chemical Corp.
National Chemical Sales Co., Inc.
National Cleaners Chemical Mfg. Co.
Patek & Co.
Riverside Chemical Co.

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

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Barreled Sunlight Paint Co.
Continental Car-Na-Var Corp.
DuPont de Nemours, E. I., & Co., Inc.
Horn, A. C., Co., Inc.
Keystone Chemical Co.
Midland Paint & Varnish Co.
Quigley Co., Inc.
Street, R. R., & Co., Inc.
Sherwin-Williams Co.
Tropical Paint & Oil Co.
Valdura Div., American Marietta Co.
Wilbur & Williams Co.

ENGINEERS, MANAGEMENT

Brumber & Zinniel
Centrize
Haggerty, Patrick E., Co.
Hall, Max L., Inc.
Lewis, Philip L. & Co.

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Wage Incentives — Evaluations
PHILIP L. LEWIS & CO.
Management Consultants
24 Lyons Ave., Newark 8, N. J.
WAverly 6-3434

Lucas, Claude E., Associates
Stevenson, Jordan & Harrison, Inc.

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Schaub, Fred H., Engineering Co.

ENGINE GOVERNORS

See: Governors, Engine

ENGINES, DIESEL

Cooper-Bessemer Corp.
Ingersoll-Rand Co.
International Harvester Co.

ENGINES, GAS

Cooper-Bessemer Corp.
Ingersoll-Rand Co.
International Harvester Co.

ENGINES, STEAM

Ames Iron Works, Inc.

ENGINE VALVES

See: Valves, Engine

ENVELOPES, BUTTON AND ORNAMENT

Nashua Corp., Sure-Hold Div.
New England Business Service
Stry-Lenkoff Co.

ENVELOPES, HANDKERCHIEF, SOCK, ETC.

Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Nashua Corp., Sure-Hold Div.
Pak-Rite Flexible Packaging Co.
Rosenthal Paper Co.
Spear Box Co., Inc.
West Side Corp.
Wormstead, Smith & Loomis, Inc.

ENVELOPES, SHIRT

See: Shirt Bags

ENZYMIC SPOTTING AGENTS

See: Digestive Agents, Spotting Enzymic

ERADICATORS, INK

See: Ink Eradicators

EVAPORATORS AND CONVECTORS

See: Convectors and Evaporators

EVAPORATORS, STEAM

Carver, Tom, Inc.
Davis Engineering Corp.
Pantex Mfg. Corp.
Trane Co.
Whitlock Mfg. Co.

EVAPORATORS, WATER DISTILLING

Cleaver-Brooks Co.
Davis Engineering Corp.

EXCHANGERS, HEAT

See: Heat Exchangers

EXHAUSTERS

Air Cooling Engineering Co.
Chelsea Fan & Blower Co., Inc.
DeBothezat Fans Div., American Machine & Metals, Inc.
Easy Industries
Kisco Boiler & Engineering Co.
Lamson Corp.
Roots-Connersville Blower Corp.
U. S. Hoffman Machinery Corp.
Wright-Austin Co.

EXHAUST FANS

See: Fans, Exhaust and Ventilating

EXHAUST-STEAM PURIFIERS

See: Purifiers, Exhaust-Steam

EXPANDING IRONING FORMS

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Prosperity Co., Inc.

EXPANSION, JOINTS

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Crane Co.
Flexonics Corp.
Johns-Manville
Walworth Co.
Yarnall-Waring Co.

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Ansul Chemical Co.
Bostwick Laboratories
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
C-O-Two
General Detroit Corp.
General Pacific Corp.
Kidde, Walter, & Co., Inc.
Pyrene Mfg. Co.
Randolph Laboratories, Inc.

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Ellis Drier Co.
Hamilton Copper & Brass Works
Hammond Laundry-Cleaning Machinery Co.
Keystone Laundry Machinery Co.
Lane, W. T., & Bros., Inc.
Leebaw Mfg. Co.
Mitchell, J. B., Co.
Ohio Centrifugals Co.

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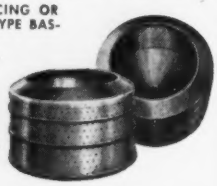
★ SPECIAL EXTRACTOR BASKETS MADE TO ORDER
★ EXTRACTOR BASKET SPECIALISTS SINCE 1871

OHIO Centrifugal Company
342 S. Monument Ave., Hamilton, Ohio

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Super Laundry Machinery Co.
U. S. Hoffman Machinery Corp.
Western Laundry Machinery Co.

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American Laundry Machinery Co.
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Cummings-Landau Laundry Machinery Co., Inc.
Daniels, C. R., Inc.
Keystone Laundry Machinery Co.
Manitowoc Cotton Goods Mfg. oC.
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Quality Products Co.
Southern Mills, Inc.
Stadham Co., Inc.
Tingue, Brown & Co.
Zellermayer & Co.
Zuckerberg Co.

EXTRACTOR CYCLE CONTROL, AUTOMATIC

American Laundry Machinery Co.
Atlas Steel Products, Inc.
Cummings-Landau Laundry Machinery Co., Inc.
Master Mfg. Corp.
Norman Control Co.
Pellerin Milnor Corp.
Speed Queen Corp., Ironer Div.
Super Laundry Machinery Co.

EXTRACTORS, DRYCLEANING

American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Bock Laundry Machine Co.
Butler Mfg. Co.
California Laundry Equipment Co.
Columbia Laundry Machinery Co.
Cook Machinery Co., Inc.
Cummings-Landau Laundry Machinery Co., Inc.
Fletcher Works, Inc.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Haring & Stephens Co.
Henrici Laundry Machinery Co.
Hercules Laundry Machinery Co., Inc.
Hydraxtor Co., Div. Zephyr Laundry Machinery Co.
Kelley Co., The
Keystone Laundry Machinery Co.
Manitowoc Engineering Corp.
Midwest Laundry & Cleaning Machinery Co.
Mitchell, J. B., Co.
Ohio Centrifugals Co.
Pantex Mfg. Corp.
Pellerin Milnor Corp.
Prosperity Co., Inc.
Standard Laundry & Cleaning Machinery Co.
U. S. Hoffman Machinery Corp.
Vic Cleaning Machine Co.
West Coast Laundry Machinery Co.
Western Laundry Machinery Co.

EXTRACTORS, HYDRAULIC

Hydraxtor Co., Div. Zephyr Laundry Machinery Co.
Miller Laundry Machinery Co.
Prosperity Co., Inc.
Strike's Laundry Machinery, Inc.
U. S. Hoffman Machinery Corp.

EXTRACTORS, LAUNDRY

Ald, Inc.
American Laundry Machinery Co.
Bock Laundry Machine Co.
Butler Mfg. Co.
California Laundry Equipment Co.

CALECO Ball Bearing Extractors
Sizes 20-24-26-28-30
20" & 24" Self Balancing
CALIFORNIA
Laundry Equipment Co.
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Oakland, Calif.

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Columbia Laundry Machinery Co.
Cook Machinery Co., Inc.
Cummings-Landau Laundry Machinery Co., Inc.
Ellis Drier Co.
Fletcher Works, Inc.
Glover, Bill, Inc.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Haring & Stephens Co.
Henrici Laundry Machinery Co.

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Always Specify "HENRICI"
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Henrici St., Mattapan, Boston 26, Mass.

Hercules Laundry Machinery Co., Inc.
Hydraxtor Co., Div., Zephyr Laundry Machinery Co.
Kelley Co., The
Keystone Laundry Machinery Co.
Mid-West Machine & Tool Co.
Mitchell, J. B., Co.
Ohio Centrifugals Co.
Pantex Mfg. Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Pellerin Milnor Corp.

Pellerin MILNOR CORPORATION
LAUNDRY AND DRY CLEANING EXTRACTORS
Sizes 20", 26", 30"
8000 EDINBURGH STREET, NEW ORLEANS, LA.

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Speed Queen Corp., Ironer Div.
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Super Laundry Machinery Co.
Troy Laundry Machinery Div., American Machine & Metals, Inc.
U. S. Hoffman Machinery Corp.
West Coast Laundry Machinery Co.
Western Laundry Machinery Co.

EXTRACTORS, MECHANICAL UNLOADING

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Cummings-Landau Laundry Machinery Co., Inc.

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Standard 50" & 60" — Unloading 50", 54" & 60".
Stainless steel basket and shell. Automatic timing, brake release as well as cover opening and closing.
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Fletcher Works, Inc.
Super Laundry Machinery Co.
Troy Laundry Machinery Div., American Machine & Metals, Inc.
U. S. Hoffman Machinery Corp.

EXTRACTOR SPRAY RINSE UNITS

See: Spray Rinse Units, Extractor

EXTRACTORS, STARCH

American Laundry Machinery Co.
Bock Laundry Machine Co.
Chicago Dryer Co.
Cummings-Landau Laundry Machinery Co., Inc.
Ellis Drier Co.
Hammond Laundry-Cleaning Machinery Co.
Haring & Stephens Co.
Mitchell, J. B., Co.
Pellerin Milnor Corp.
Speed Queen Corp., Ironer Div.
Western Laundry Machinery Co.

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Kaycrest Products

2 IN 1 EYELET SETTING TOOL
punches holes and sets eyelets in one easy operation!
This chrome plated tool plus 1,000 eyelets in nickel, brass and assorted colors.
$5.00 Fully Guaranteed
Send check or money order
(Money back guarantee)
KAYCREST PRODUCTS
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See: Finishing Agents

FABRICS, UNIFORM

See: Uniform Fabrics

FABRIC TESTERS

See: Testers, Cloth and Fabric

FANS, EXHAUST AND VENTILATING

Aerovent Fan Co.
Air Cooling Engineering Co.
American Blower Corp., Div. American-Standard
American Coolair Corp.
Carey, Philip, Mfg. Co.
Chelsea Fan & Blower Co., Inc.
Clarage Fan Co.
Cleveland Heater Co.
DeBothezat Fans Div., American Machine & Metals, Inc.
DeVilbiss Co.
Diehl Mfg. Co., Electrical Div., Singer Mfg. Co.
Easy Industries
Ilg Electric Ventilating Co.
International Engineering Inc.
Keyes-Davis Co.
Kisco Boiler & Engineering Co.
Martin Fan & Blower Co.
Moore Co.
Murray, D. J., Mfg. Co.
Reliable Machine Works, Inc.
Rich Fan Mfg. Co.

RICH FANS FOR PLANT USE
Wall & Roof Exhaust Type
Ceiling Mounted, Floor & Pedestal Fans
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Sturtevant Div., Westinghouse Electric Corp.
Sun Fluorescent Electric Co.
Trane Co.
Troy Laundry Machinery Div., American Machine & Metals, Inc.
United Vacuum Appliance Corp.

FANS, PROPELLER

Aerovent Fan Co.
Air Cooling Engineering Co.
American Blower Corp., Div. American-Standard
American Coolair Corp.
Carey, Philip, Mfg. Co.
Certified Chemical & Equipment Co.
Clarage Fan Co.
Chelsea Fan & Blower Co., Inc.
Cleveland Heater Co.
DeBothezat Fans Div., American Machine & Metals, Inc.
DeVilbiss Co.
Ilg Electric Ventilating Co.
International Engineering Inc.
Kisco Boiler & Engineering Co
Martin Fan & Blower Co.
Moore Co.
Rich Fan Mfg. Co.
Schwitzer-Cummins Co.
Trane Co.

FASTENERS, BELT

Bristol Co.
Clipper Belt Lacer Co.
Commercial Tag Co.
Crescent Belt Fastener Co.
Flexible Steel Lacing Co.
Philadelphia Belting Co.
Victor Balata & Textile Belting Co.
Williams, I. B., & Sons

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Plas-Ties Co.
Risdon Mfg. Co.
Steele, J. W., & Co.
Sureloc Paper Clip Co.

FASTENERS, SLIDE

Arrow Mfg. Co.
Kee Zipper Corp.
Lieberman, B. & G., Co.
Steven, Michael, Corp.
Talon, Inc.

FASTENERS, SLIDE, REPAIR EQUIPMENT AND TOOLS

High Chemical Co.
Newhouse Specialty Co., Inc.
Steven, Michael, Corp.
Talon, Inc.

FATTY-ACID TEST KIT

Adco, Inc.
Adrian Research & Chemical Co., Inc.
Anderson-Priehard Oil Corp.
Benda Products, Inc.
Dixo Co.
Drew, E. F., & Co., Inc.
Lustrol Dryeleaning Produts Co.
National Cleaners Chemical Mfg. Co.
Street, R. R., & Co., Inc.
Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.

FEATHER RENOVATOR

American Laundry Machinery Co.

FEATHER STERILIZING MACHINES

See: Sterilizing Machines, Pillow, Feather

FEEDERS, CHEMICAL

American Water Softener Co.
Cochrane Corp.
Culligan Zeolite Co.
Dixo Co.
Elgin Softener Corp.
Graver Tank & Mfg. Co., Inc.
Hungerford & Terry, Inc.
National Chemical Sales Co., Inc.
Oshkosh Filter & Softener Co.
Permutit Co.
Proportioneers, Inc.

FEED PUMPS, BOILER

See: Pumps, Feed-Water

FEED RIBBON LACERS

See: Lacers, Feed Ribbon

FEED RIBBONS

See: Ribbons, Feed

FEED RIBBONS, NYLON

See: Ribbons, Feed

FEED SYSTEMS, BOILER

See: Boiler Feed Systems

FEED-WATER CONTROLS

See: Controls and Regulators (under specific headings)

FEED-WATER HEATERS

See: Heaters, Feed-Water

FEED-WATER METERS

See: Meters, Feed-Water

FEED-WATER PUMPS

See: Pumps, Feed-Water

FEED-WATER REGULATORS

See: Controls and Regulators, Feed-Water

FEED-WATER SYSTEMS

American District Steam Co., Inc.
American Water Softener Co.
Butler Engineering Co., Inc.
Cissell, W. M., Mfg. Co., Inc.
Cyclotherm Div. National-U. S. Radiator Corp.
Eclipse Fuel Engineering Co.
Elgin Softener Corp.
Hammond Laundry-Cleaning Machinery Co.
Hungerford & Terry, Inc.
Kisco Boiler & Engineering Co.
McDonnell & Miller, Inc.
Marshall Heater Co.
Permutit Co.
Proportioneers, Inc.
Schaub, Fred H., Engineering Co.
Sterling, Inc.
Sterling Engineering & Mfg. Corp. (Templeton Mfg. Co.)
U. S. Hoffman Machinery Corp.
York-Shipley, Inc., Industrial Div.

FEED-WATER TEST CONTROLS

See: Controls and Regulators, Feed-Water

FEED-WATER TESTING SYSTEMS

See: Testing Systems, Feed-Water

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

FELT PADDING

See: Pads and Padding, Press and Ironer

FELTS, FILTER

See: Filter Felts

FIBER BOXES

See: Boxes, Fiber and Paper

FIBER HAMPERS

See: Hampers

FIBER HAND TRUCKS

See: Trucks, Industrial

FILTER BAGS

Bonn, F. H., Co.
Brady Conveyors Corp.
Bowser, Inc.
Butler Mfg. Co.
Carson Textile Co., Inc.
Davis Mills, Inc.
Manitowoc Cotton Goods Mfg. Co.
Martin Equipment Co., Div. American Laundry Machinery Co.
Pantex Mfg. Corp.
Quality Products Co.
See-O-Matic Corp.
Smith, X. S., Inc.
Stadham Co., Inc.
Stanley, William W., Co., Inc.
Tec Specialties
Vic Cleaning Machine Co.
Whitehouse Nylon Products
Zellermayer, Nathan, & Co.
Zuckerberg Co.

FILTER CLOTH

See: Cloth, Filter

FILTER FELTS

American Felt Co.
Stanley, William W., Co., Inc.

FILTER POWDER

Adrian Research & Chemical Co., Inc.
Dicalite Div., Great Lakes Carbon Corp.
Filtrol Corp.
Innis, Speiden & Co.
Johns-Manville
Kenite Corp.
Salomon, L. A., & Bro.

FILTER-POWDER DISPENSERS

Infilco, Inc.
Powder Dispenser
Varga, A. G., & Son, Inc.

FILTERS, AIR

See: Air Filters

FILTER SCREENS

Bonn, F. H., Co.
Bowser, Inc.
Butler Mfg. Co.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Mitchell, J. B., & Co.
Pantex Mfg. Corp.
Patterson-Kelley Co., Inc.
U. S. Hoffman Machinery Corp.
Vic Cleaning Machine Co.

FILTERS, OIL

See: Oil Filters

FILTERS, OIL-REMOVING

American Water Softener Co.
Bowser, Inc.
Cochrane Corp.
Commercial Filters Corp.
Dreco Industrial Corp.
Elgin Softener Corp.
Graver Tank & Mfg. Co., Inc.
Hungerford & Terry, Inc.
Johnson Corp.
Kaye & MacDonald, Inc.
Oshkosh Filter & Softener Co.
Permutit Co.
U. S. Hoffman Machinery Corp.
Watts Regulator Co.

FILTERS, PRESSURE

American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Bowser, Inc.
Butler Mfg. Co.
Commercial Filters Corp.
Elgin Softener Corp.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Hopkins Equipment Co.
Hungerford & Terry, Inc.
Kaye & MacDonald, Inc.
Martin Equipment Co., Div. American Laundry Machinery Co.
Mercury Cleaning Systems, Inc.
Mitchell, J. B., Co.

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Olson Filtration Engineers, Div. American Laundry Machinery Co.
Pantex Mfg. Corp.
Standard Laundry & Cleaning Machinery Co.
U. S. Hoffman Machinery Corp.
Vic Cleaning Machine Co.
Washex Machinery Corp.
Watts Regulator Co.
Western Laundry Machinery Co.
Zephyr Laundry Machinery Co.

FILTERS, SOLVENT

American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Bowser, Inc.
Butler Mfg. Co.
Commercial Filters Corp.
Detrex Corp.
Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
Hopkins Equipment Co.
Industrial Mfg. Co.
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See: Presses, Steam-Air Finishers, Steam Boards (under specific headings)

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See: Presses, Steam-Air Finishers, Steam Boards (under specific headings)

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North American Dye Corp.
Sandoz Chemical Works, Inc.

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FLEXIBLE COUPLINGS

See: Couplings, Flexible

FLEXIBLE METAL HOSE

See: Hose, Flexible Metal

FLEXIBLE STEAM JOINTS

See: Joints, Flexible Steam

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Schaub, Fred H., Engineering Co.
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FLOAT TRAPS

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See: Wax, Floor

FLOW CONTROLS

See: Controls and Regulators (under specific headings)

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See: Meters, Flow

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See: Indicators, Flow-Rate

FLOW RECORDERS

See: Recorders, Flow

FLOW REGULATORS

See: Controls and Regulators (under specific headings)

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See: Lamps, Fluorescent

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See: Sours

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For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

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See: Sours

FLUORIDE, SODIUM SILICO
See: Sours

FLUTING MACHINES
Maxant Button & Supply Co.

FOG FIRE-FIGHTING UNITS
See: Extinguishers, Fire

FOG GENERATORS
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See: Dyeing, Garment

GARMENT DYES
See: Dyes

GARMENT FINISHERS, STEAM-AIR
See: Steam-Air Finishers, Garment

GARMENT HANGERS
See: Hangers, Garment

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

GARMENT PRESSES
See: Presses (under specific headings)

GARMENT RACKS
See: Racks, Garment

GARMENT SHAPER-DRIER
See: Shaper-Drier, Garment

GARMENT STEAMERS
See: Steam-Air Finishers, Garment

GAS BURNERS
See: Burners, Gas

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GAS ENGINES
See: Engines, Gas

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See: Cement, Gasket

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See: Meters, Gas

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See: Testers, Gauge

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See: Insecticide Spray Equipment

GENERATORS, STEAM
See: Boilers and Steam Generators

GERMICIDES
See: Antiseptics, Bleaches, Sours

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See: Cloth, Glass, Woven

GLASSINE SHIRT ENVELOPES
See: Envelopes, Shirt

GLAZERS, FUR
See: Fur Glazers

GLAZING FLUID, FUR
See: Fur Glazing Fluid

GLOBE VALVES
See: Valves, Globe

GLOVE CASES
See: Cases, Glove

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See: Conveyors, Go-Back

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See: Conveyors (under specific headings)

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For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

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Gulf Oil Corp., Gulf Refining Co.
Keystone Lubricating Co.
Lubriplate Div., Fiske Bros. Refining Co.
Pure Oil Co.
Stewart-Warner Corp., Alemite Corp.
Texas Co.
Union Oil Co. of California

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GUARDS, LAMP

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See: Glues and Gums

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Tarbonis Co.

HAND HOISTS

See: Hoists

HANDKERCHIEF CONVEYORS

See: Conveyors, Handkerchief

HANDKERCHIEF FLUFFERS

See: Fluffers, Handkerchief

HANDKERCHIEF IRONERS

See: Ironers, Handkerchief

HANDKERCHIEF REPLACEMENTS

See: Replacements, Sheets, Pillowcases, etc.

HAND TRUCKS

See: Trucks, Industrial

HANGER BLOCKS

See: Blocks, Hanger and Pillow

HANGER CAPES

See: Capes, Wire-Hanger

HANGER CLIPS

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Oakville Co., Div. Scovill Mfg. Co.
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HANGER RACKS

See: Racks, Hanger

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Fastik Co.
Fleischer Mills, Inc.
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Greif Bros. Cooperage Corp., Wire Garment Hanger Div.
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See: Scales

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HAT-BLOCKING MACHINES

See: Blocking Machines, Hat

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

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Hatters Supply House, Inc.
National Hatters Supply Co.
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Rosenthal Paper Co.
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Trane Co.
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Patterson-Kelley Co., Inc.
Peabody Engineering Corp.
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See: Solvent Heaters

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See: Coils, Heating and Cooling

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See: Tape, Mending, Heat-Sealing

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Rosenthal Mfg. Co.

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

IRONERS, HANDKERCHIEF
Ajax Pressing Machine Corp.
American Laundry Machinery Co.
Huebsch Mfg. Co.
Prosperity Co., Inc.
Speed Queen Corp., Ironer Div.

IRONERS, HOSIERY
American Laundry Machinery Co.

IRONERS, RUFFLE
Maxant Button & Supply Co.

IRONERS, SLEEVE
Ajax Pressing Machine Corp.
American Laundry Machinery Co.
Forse Equipment Co.
Newhouse Specialty Co., Inc.
New York Pressing Machinery Corp.
Prosperity Co., Inc.
Troy Laundry Machinery Div., American Machine & Metals, Inc.

IRONER TAPE
See: Tape, Ironer

IRONING BOARDS AND TABLES
American Laundry Machinery Co.
Bishop David Freeman Co.
Butler Mfg. Co.
Cissell, W. M., Mfg. Co., Inc.
Cooper, H. P., Co.
Cummings-Landau Laundry Machinery Co., Inc.
New York Pressing Machinery Corp.
Steele, J. W., & Co.

IRONING BOARDS, SLEEVE
See: Sleeve Boards

IRONING FORMS, EXPANDING
See: Expanding Ironing Forms

IRONING-ROOM CONVEYORS
See: Conveyors, Ironing-Room

IRON-REMOVAL EQUIPMENT, WATER TREATMENT
See: Water Treatment Equipment

IRONS, ELECTRIC
American Electric Heater Co.
Behrstock, L., Co.
Bishop David Freeman Co.
Butler Mfg. Co.
Cissell, W. M., Mfg. Co., Inc.
Cooper, H. P., Co.
Crown Mfg. Co.
Dejur Electric Works
General Electric Co.
Newhouse Specialty Co., Inc.
New York Pressing Machinery Corp.
Steele, J. W., & Co.
U. S. Hoffman Machinery Corp.

IRONS, PUFF
See: Puff Irons

IRONS, ROTARY, FUR
Reliable Machine Works, Inc.

IRONS, SPRAY
Bishop David Freeman Co.

IRONS, STEAM
Automatic Steam Products Corp
Behrstock, L., Co.
Bishop David Freeman Co.
Butler Mfg. Co.
Cooper, H. P., Co.
Dejur Electric Works
Newhouse Specialty Co., Inc.
New York Pressing Machinery Corp.
Reliable Machine Works, Inc.
Stein, Lawrence M., Co.
Sterling, Inc.

IRONS, STEAM-ELECTRIC
Automatic Steam Products Corp.
Behrstock, L., Co.
Bishop David Freeman Co.
Butler Mfg. Co.
Cissell, W. M., Mfg. Co., Inc.
Cooper, H. P., Co.
Crown Mfg. Co.
Dejur Electric Works
General Electric Co.
Newhouse Specialty Co., Inc.
New York Pressing Machinery Corp.
Reliable Machine Works, Inc.

IRON STANDS
Amber Mfg. Co.
Bishop David Freeman Co.
New York Pressing Machinery Corp.

JAPAN WAX
See: Wax, Japan

JARS
Knight, Maurice A.

JOINTS, EXPANSION
See: Expansion Joints

JOINTS, FLEXIBLE STEAM
American Brass Co., American Metal Hose Div.
American District Steam Co., Inc.
Barco Mfg. Co.
Diamond Metal Products Co.
Flexonics Corp.
Lakewood Manufacturing Co.
New York Pressing Machinery Corp.

JOINTS, REVOLVING AND SWING
Barco Mfg. Co.
Diamond Metal Products Co.
Johnson Corp.
New York Pressing Machinery Corp.

JOURNAL ROLLER BEARINGS
See: Bearings, Journal Roller

KETTLES, DYE
See: Dye Kettles

LABEL MOISTENERS
See: Moisteners, Label

LABELS AND SEALS
Bartlett Label Co.
Conrad Embroidery Co.
Dennison Mfg. Co.
Lambooy Label & Wrapper Co.
Phoenix Products Co.
Rubinoff, M., Inc.
St. Louis Sticker Co.
Stry-Lenkoff Co.
Wormstead, Smith & Loomis, Inc.

LABELS, EMBROIDERED
See: Emblems

LABELS, WOVEN, MARKING
Cash, J. & J., Inc.
Penn Novelty Co.
Pre-Marked Strip Tag Co.

LABORATORY EQUIPMENT
Andrew Technical Service
General Scientific Equipment Co.
Sterling, Inc.

LACERS, BELT
Clipper Belt Lacer Co.
Crescent Belt Fastener Co.
Detroit Belt Lacer Co.
Flexible Steel Lacing Co.
Philadelphia Belting Co.
Williams, I. B., & Sons
Zuckerberg Co.

LACERS, FEED RIBBON
American Associated Cos.
Clipper Belt Lacer Co.
Flexible Steel Lacing Co.
Tingue, Brown & Co.
Zuckerberg Co.

LACERS, LAUNDRY APRON
Callaway Mills, Inc.
Clipper Belt Lacer Co.
Flexible Steel Lacing Co.
Tingue, Brown & Co.
Zuckerberg Co.

LAMP GUARDS
See: Guards, Lamp

LAMPS, COLOR-MATCHING AND DAYLIGHT
General Electric Co.
Sylvania Electric Products, Inc.
Westinghouse Electric Corp., Lamp Div.

LAMPS, FLUORESCENT
General Electric Co., Lamp Dept.
Ideal Lighting Co.
National Marking Machine Co.
Sylvania Electric Products, Inc.
Westinghouse Electric Corp., Lamp Div.

LAMPS, MERCURY-VAPOR
General Electric Co., Lamp Dept.
Westinghouse Electric Corp., Lamp Div.

LAPEL PROTECTORS
See: Protectors, Lapel

LAUNDRY BAGS, PAPER
See: Bags, Laundry, Paper

LAUNDRY CARTS
See: Carts, Garments and Laundry

LAUNDRY DYES
See: Dyes

LAUNDRY EXTRACTORS
See: Extractors, Laundry

LAUNDRY PACKAGING
See: Packaging, Laundry

LAUNDRY PRESSES
See: Presses, Laundry, Manually Operated, or Presses, Laundry, Power Operated

LAUNDRY SOAPS
See: Soaps, Laundry

LAUNDRY TINTS
See: Tints and Dyes, Laundry

LAUNDRY TUMBLERS, CLOTHES
See: Tumblers, Clothes, Laundry

LAUNDRY WASHERS
See: Washers, Laundry, Metal, or Washers, Laundry, Wood

LEATHER BELTING
See: Belting, Leather

LEATHER BELTING CEMENT
See: Cement, Leather Belting

LEATHER BELTING, WATER-PROOF
See: Belting, Waterproof Leather

LEATHER AND SUEDE CLEANING
Adelman Glove Cleaners, Inc., & Leather Cleaners
Certified Leather Cleaners
C. O. D. Cleaning and Dyeing Co.
Cole Leather Cleaners of America
Dyo Chemical Co.
Kirk's Suede & Leather Cleaners
Lano Lustre Suede & Leather Co.
Renard's
Signal Chemical Mfg. Co., Inc.
Stitt-Reed Inc. and/or William A. Reed & Co., Inc.

STITT-REED, Inc.
William A. Reed & Co., Inc.
Expert Suede and Leather Cleaning
Our 93rd Year of Service to the Laundry & Drycleaning Industries
8432 44th Place **Lyons, Ill.**
Phone: Lyons 3-5717

Suedecare, Inc.
Suede King, Inc.
Tru Color Dye Works, Inc.

LEATHER CLEANING SOAPS
See: Soaps, Leather Cleaning

LEATHER DYEING
See: Dyeing, Leather

LEATHER SOFTENERS
Apex Chemical Co., Inc.
Benda Products, Inc.
Caled Products Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Dyo Chemical Co.
Edelmuth Mfg. Chemists
Keystone Aniline & Chemical Co.
Nu-Pro Mfg. Co.
Nycco Products Co.
Package Chemical Co., Inc.
Riverside Mfg. Co.
Sandoz Chemical Works, Inc.
Signal Chemical Mfg. Co., Inc.
Sirotta, Bernard, Co.
Spix Products Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

LEVEL RECORDERS, BOILER
See: Recorders, Boiler Level

LIFT TRUCKS
See: Trucks, Industrial

LIGHTING FIXTURES
Donnell Co.
General Luminescent Corp.
Guth, Edwin F., Co.
Revere Electric Mfg. Co.

LIME SOAP SOLVENT
See: Solvent, Lime Soap

LINEN MARKERS
See: Markers, Linen

LINEN SUPPLIES
American Associated Cos.
Best Textile Co.
Bimberg, Ben, & Co., Inc.
Bostwick-Batterson Co.
Pullelean Towel Cabinet System
Reed-Stabin, Inc.
Standard Garment Co.

LINERS, BASKET
Bonn, F. H., Co.
Daniels, C. R., Inc.
Kennedy Car Liner & Bag Co., Inc.
Lane, W. T., & Bros.
Spear Box Co., Inc.
Wornstead, Smith & Loomis, Inc.
Zuckerberg Co.

LININGS
Patterson-Kelley Co., Inc.
United Fabrics Co.

LINT BRUSHES
American Pressboard Co.
Dyo Chemical Co.
Master Products Co.
National Chemical Sales Co., Inc.
Newhouse Specialty Co., Inc.
Perma Products Co.
Southern Mills, Inc.

LIQUID BLEACH
See: Bleach, Liquid

LIQUID CHLORINE
See: Chlorine, Liquid

LIQUID LEVEL CONTROLS
See: Controls and Regulators, Liquid Level

LIQUID LEVEL GAUGES
See: Gauges, Liquid Level

LIQUID LEVEL RECORDERS
See: Recorders, Liquid Level

LIQUID LEVEL REGULATORS
See: Controls and Regulators, Liquid Level

LIQUID STARCH
See: Starch, Liquid

LISTING MACHINES
National Marking Machine Co.

LISTS, PRICE
See: Price Lists

LOADING HOPPERS
Eastern Cyclone Conveyor System, Inc.

LOCKERS, METAL
Berger Mfg. Div., Republic Steel Corp.

LOW WATER ALARMS
See: Alarms, High and Low Water

LOW WATER FUEL CUTOFFS
See: Boiler Fuel Cutoffs, Low Water

LUBRICANT STARCH
See: Starch, Lubricant

LUBRICATING BEARINGS
See: Bearings, Lubricating

LUBRICATING GREASES
See: Greases, Lubricating

LUBRICATING OILS
See: Oils, Lubricating

LUBRICATING SYSTEMS
Bowser, Inc.
Ingersoll-Rand Co.
Oil-Rite Corp.
Stewart-Warner Corp., Alemite Corp.
Trico Fuse Mfg. Co.
Troy Laundry Machinery Div., American Machine & Metals, Inc.

MACHINE MARKING IDENTIFICATION SYSTEMS
See: Identification Systems

MACHINERY, USED AND REBUILT
Ajax Pressing Machine Corp.
Allied Laundry Machinery Corp.
Anchor Laundry Machinery Service, Inc.
American Laundry Machinery Co.
Baehr Laundry Machine Co.
Butler Mfg. Co.
California Laundry Equipment Co.
Chicago Dryer Co.
Columbia Laundry Machinery Co.
Cummings-Landau Laundry Machinery Co., Inc.
Excelsior Machinery Co.
Forse Equipment Corp.
Getzloff, R. B., & Son
Greaves Machine Tool Co.
Hammond Laundry-Cleaning Machinery Co.
Hatters Supply House, Inc.
Henrici Laundry Machinery Co.
Kehlstrom, E.
Mercury Cleaning Systems, Inc.
Midwest Laundry & Cleaning Machinery Co.
Mitchell, J. B., Co.
New York Pressing Machinery Corp.
Prosperity Co., Inc.
Reliable Machine Works, Inc.
See-O-Matic Corp.
Standard Laundry & Cleaning Machinery Co.
Super Laundry Machinery Co.
Troy Laundry Machinery Div., American Machine & Metals,
Universal Laundry Machinery Co.
U. S. Hoffman Machinery Corp.
United Vacuum Appliances Corp.
Williams Laundry Machinery Co., Inc.
Zephyr Laundry Machinery Co.

MACHINES, ELECTROLYTIC BLEACH-MAKING
See: Bleach-Making Machines

MACHINES, OFFICE
See: Office Machines

MANAGEMENT CONSULTANTS AND ENGINEERS
See: Engineers, Management

MARKERS, LINEN
Applegate Chemical Co.
Carson Textile Co., Inc.
National Marking Machine Co.
Pittsburgh Waterproof Co.
Stadham Co., Inc.
Stafford Mfg. Co., Inc.
Tingue, Brown & Co.

MARKERS, RUBBER
Skrandel Co.
Speare Co.
Stafford Mfg. Co., Inc.
Thompson-Hayward Chemical Co.
Zuckerberg Co.

MARKING FLAGS
See: Flags, Marking

MARKING FOUNTAIN PENS
See: Fountain Pens, Marking

MARKING INK
See: Ink, Indelible Marking, or Ink, Invisible Marking

MARKING INK, INVISIBLE
See: Ink, Invisible Marking

MARKING LABELS, WOVEN
See: Labels, Woven, Marking

MARKING MACHINES
Applegate Chemical Co.
National Marking Machine Co.
OlsenMark Corp.
Pinnacle Products Corp.
Pittsburgh Tag Co.

Roberts Numbering Machine Co.
Stafford Mfg. Co., Inc.
Steigler, George, Co.
Textile Marking Machine Co., Inc.

MARKING PENS
See: Pens, Marking, and Fountain Pens, Marking

MARKING PINS
Barker Mfg. Co.
Keyes-Davis Co.

MARKING PINS

Nickel plated brass or stainless steel. Also sets in trays and carriers with net and marking pins for bundle identification. Plain or numbered. Free catalog.

THE KEYES-DAVIS COMPANY
77-14th Street, Battle Creek, Michigan

Key-Tag Checking System Co.
National Marking Machine Co.
Newhouse Specialty Co., Inc.
Stafford Mfg. Co., Inc.

MARKING ROOMS
American Laundry Machinery Co.
National Marking Machine Co.

MARKING SETS
Ink-O Products Co.
Keyes-Davis Co.
National Marking Machine Co.
Stafford Mfg. Co., Inc.

MARKING SYSTEMS
See: Identification Systems

MARKING TABLES
Colson Corp.
National Marking Machine Co.

MARKING TAGS
See: Tags, Marking

MARKING-TAG SEWING MACHINES
See: Sewing Machines, Marking-Tag

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

MARKING TAPE
See: Tape, Marking

MATS FLOOR
American Floor Products Co.
Behrstock, L., Co.
Colonial Rubber Co.
General Scientific Equipment Co.
Goodrich, B. F., Co., Inc.
Newhouse Specialty Co., Inc.
Tingue, Brown & Co.
U. S. Rubber Co.

MENDING AND DARNING MACHINES
See: Darning and Mending Machines

MENDING AND PATCHING MATERIAL, GARMENT AND LINEN
ABC Collar 'N' Cuff Co.
Chandler Machine Co.
Gummed Tape & Devices Co.
Hughes Co.
Lucas Products Corp.
Madison Products
Mendex Corp.
Newhouse Specialty Co., Inc.
Standard Garment Co.
Themopatch Corp.
Tingue, Brown & Co.
U. S. Marking Tag Co.

MENDING TAPE
See: Mending and Patching Material, Garment and Linen

MENDING TAPE, HEAT-SEALING
See: Mending and Patching Material, Garment and Linen

MERCURY-VAPOR LAMPS
See: Lamps, Mercury-Vapor

METAL BASKETS
See: Baskets, Metal

METAL BEARINGS
See: Bearings, Metal

METAL CHUTES
See: Chutes, Metal

METAL, CORROSION-RESISTANT
Allegheny-Ludlum Steel Corp.
Crucible Steel Co. of America
Haynes Stellite Co., Union of Union Carbide & Carbon Corp.
International Nickle Co., Inc.

METAL CYLINDERS
See: Washer Cylinders, Metal

METAL HAND TRUCKS
See: Trucks, Industrial

METAL HOSE, FLEXIBLE
See: Hose, Flexible Metal

METAL LOCKERS
See: Lockers, Metal

METAL, MONEL
International Nickel Co., Inc.

METAL PADS, MONEL
See: Pads and Padding, Press and Ironer

METAL, PERFORATED
Berger Mfg. Div., Republic Steel Corp.
Chase Brass & Copper Co.
Ohio Centrifugals Co.

METAL PICK-UP BOXES
See: Boxes, Metal

METAL POLISH
See: Polish, Metal

METAL, PORCELAIN-ENAMELED
Stafford Mfg. Co., Inc.

METAL-PROTECTIVE PAINT
See: Paint

METAL ROOFING
See: Roofing, Metal

METAL SHELVING
See: Shelving, Metal

METAL TANKS
See: Tanks, Metal

METAL VATS
See: Vats, Metal

METAL WASHERS
See: Washers (under specific headings)

METAPHOSPHATE
Calgon, Inc.
Rumford Chemical Works
Thompson-Hayward Chemical Co.

METASILICATE
Diamond Alkali Co.
DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Philadelphia Quartz Co.
Thompson-Hayward Chemical Co.
Wyandotte Chemicals Corp., J. B. Ford Div.

METERS, AIR
Bailey Meter Co.
Dwyer, F. W., Mfg. Co.
Republic Flow Meters Co.

METERS, BOILER
Bailey Meter Co.
Republic Flow Meters Co.

METERS, CARBON DIOXIDE (CO_2)
Cambridge Instrument Co., Inc.
Davis Emergency Equipment Co., Inc.
Defender Instrument & Regulator Co.
Dwyer, F. W., Mfg. Co.
General Scientific Equipment Co.
Republic Flow Meters Co.

METERS, CONDENSATION
American District Steam Co., Inc.

METERS, ELECTRIC
General Electric Co.
Weston Electrical Instrument Corp.

METERS, FEED-WATER
Bailey Meter Co.
Buffalo Meter Co.
Foxboro Co.
National Chemical Sales Co., Inc.
Republic Flow Meters Co.

METERS, FLOW
Bailey Meter Co.
Bristol Co.
Dwyer, F. W., Mfg. Co.
Fisher & Porter Co.
Foxboro Co.
Hagan Corp.
Proportioneers, Inc.
Republic Flow Meters Co.

METERS, FLUID
American District Steam Co., Inc.
Bailey Meter Co.
Bowser, Inc.
Buffalo Meter Co.
Dixo Co.
Foxboro Co.
Proportioneers, Inc.
Republic Flow Meters Co.

METERS, GAS
Bailey Meter Co.
Foxboro Co.
Republic Flow Meters Co.
Roots-Connersville Blower Corp.

METERS, pH CHLORIMETRIC DETERMINATION
See: pH Control Equipment

METERS, pH ELECTROMETRIC DETERMINATION
See: pH Control Equipment

METERS, STEAM
American District Steam Co., Inc.
Bailey Meter Co.
Bristol Co.
Foxboro Co.
Hagan Corp.
Republic Flow Meters Co.

METERS, TIME
Aid, Inc.
Bildwell Manufacturers
Norman Control Co.
Van Chemical Co.

METERS, WASHER
American Laundry Machinery Co.
Bildwell Manufacturers
Norman Control Co.
Rosenthal Mfg. Co.
Van Chemical Co.

METERS, WATER
Bailey Meter Co.
Buffalo Meter Co.
Republic Flow Meters Co.
Worthington Corp.

MILDEW PREVENTATIVES
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Carlton Chemical Co., Inc.
Chek Products, Inc.
Cidex Corp.
DuPont de Nemours, E. I., & Co., Inc.
General Dyestuff Corp.
Germaclean, Inc.
Haertal, Walter, Co.
Hope Chemical Corp.
Kohnstamm, H., & Co., Inc.
Mallinckrodt Chemical Works
Nuodex Products Co., Inc.
Patek & Co.
Pennsylvania Refining Co.
Reliable Machine Works, Inc.
Research Laboratories Corp.
Sirotta, Bernard, Co.
Speare Co.
Thompson-Hayward Chemical Co.
U. S. Rubber Co.

MILL WHITE PAINT
See: Paint

MIXERS, STARCH
See: Starch Mixers

MODIFIED SODA
See: Soda, Modified

MOISTENERS, LABEL
Better Packages, Inc.

MOISTURE-DISPERSING AGENTS FOR CHARGED SYSTEM
Adco, Inc.
Caled Products Co., Inc.
Colgate-Palmolive Co.
Davies-Young Soap Co.
Dixo Co.
Eaton Chemical & Dyestuff Co.
Edelmuth Mfg. Chemists
Ellenbogen & Shannon, Inc.
Hope Chemical Corp.
Keystone Aniline & Chemical Co.
Keystone Chemical Co.
Kleentest Laboratories
Lustrol Drycleaning Products Co.
National Cleaners Chemical Mfg. Co.
Nu-Pro Mfg. Co.
Pennsylvania Salt Mfg. Co.
Riverside Mfg. Co.
Spix Products Co.
Street, R. R., & Co., Inc.

MOLDED RUBBER GOODS
See: Rubber Goods, Molded

MONEL METAL
See: Metal, Monel

MONEL METAL PADS
See: Pads and Padding, Press and Ironer

MONORAIL CONVEYORS
See: Conveyors, Monorail

MONORAIL TROLLEYS
See: Trolleys, Monorail

MOTHPROOFING AGENTS
Adco, Inc.
Adrian Research & Chemical Co., Inc.
American Mothproofing Co.
Berlou Mfg. Co.
Benda Products, Inc.
Chek Products, Inc.
Cidex Corp.
Columbia-Southern Chemical Corp.
Diamond Chemical Co., Inc.
Dixo Co.
Ellenbogen & Shannon Inc.
Emery Industries, Inc., Sanitone Div.
Fumol Corp.
General Dyestuff Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Germaclean, Inc.
Glis'n Products Co., Inc.
Haertel, Walter, Co.
Hope Chemical Corp.
Huntington Laboratories, Inc.
Johnson Chemical Industries, Inc.
Kenco Chemical Co., Inc.
Keystone Chemical Co.
Kohnstamm, H., & Co., Inc.
Mallinckrodt Chemical Works
Merson Products Co.
Mortemoth Chemical Laboratories
National Textile Conservation Co., Div. Research Laboratories Corp.
Patterson Laboratories, Inc.
Pennsylvania Salt Mfg. Co.
Per-Mo Products Co.
Riverside Mfg. Co.
Sibur Mfg. Co.
Signal Chemical Mfg. Co.
Sirotta, Bernard, Co.
Slater-Robbins Co., Inc.
Thompson-Hayward Chemical Co.
Van Chemical Co.
Walke, A. F., Co.
Zel-Tex Co., Inc.

MOTHPROOFING AND FLAMEPROOFING AGENTS COMBINED

See: Flameproofing and Mothproofing Agents Combined

MOTHPROOFING EQUIPMENT

Haertel, Walter, Co.
Keystone Chemical Co.
Reliable Machine Works, Inc.
U. S. Hoffman Machinery Corp.
Wolke, A. F., Co.

MOTHPROOF STORAGE BAGS

See: Bags, Storage Mothproof

MOTH REPELLENTS

See: Mothproofing Agents

MOTOR CONTROLS

See: Controls and Regulators, Motor

MOTOR-GENERATOR SETS

Allis, Louis, Co.
Crocker-Wheeler Electric Mfg. Co., Div. Joshua Hendy Iron Works
Elliot Co.
General Electric Co.
Kato Engineering Co.

MOTOR-OPERATED VALVES

See: Valves, Motor-Operated

MOTORS, ELECTRIC

Allis-Chalmers Mfg. Co.
Allis, Louis, Co.
Century Electric Co.
Crocker-Wheeler Electric Mfg. Co., Div. Joshua Hendy Iron Works
Diehl Mfg. Co., Electrical Div. Singer Mfg. Co.
Elliott Co.
General Electric Co.
Reliance Electric & Engineering Co.

MOTOR TRUCKS

See: Trucks, Motor

MUSHROOM PRESSES

See: Presses, Mushroom

NAMEPLATES

See: Emblems

NAPHTHAS

American Mineral Spirits Co.
Anderson-Prichard Oil Corp.
Shell Oil Co., Inc.
Skelly Oil Co.
Socony-Vacuum Oil Co., Inc.
Standard Oil Co.
Union Oil Co. of California

NECKBAND REPLACEMENTS

See: Replacements, Collar, Cuff and Neckband

NECKTIE BAGS

See: Bags, Necktie

NECKTIE CASES

See: Cases, Necktie

NECKTIE HANGERS

See: Hangers, Necktie

NECKTIE PRESSES

Henrici Laundry Machinery Co.

NET HOLDERS

See: Holders, Bag and Net

NET PINS

See: Pins, Net

NETS, LAUNDRY

American Associated Cos.

NYLON NETS

From our seven different types there is one especially suited to your plant.

SAMPLES ON REQUEST

AMERICAN ASSOCIATED COMPANIES

451-461 Stephens St. SW., Atlanta, Ga.

Callaway Mills, Inc.
Carson Textile Co., Inc.
Davis Mills, Inc.
Ellenbogen & Shannon, Inc.
Fablok Mills, Inc.
Gibraltar Fabrics, Inc.

"GIBRALTARIZED"
NYLON NETS ARE ALL
PRE-SHRUNK
DATEX Dacron Duck
Flatwork Ironer Covers.
"RESINTEX" Nylon Press Cloths & Covers
"GIBRALTAR" Nylon FWI Tape & Cord
"GIBRALTAR" FWI Assemblies,
Asbestos and/or Nylon
GIBRALTAR FABRICS, INC.
254-36th ST., BROOKLYN 32, N.Y.

Gold, Isidore
Hettrick Mfg. Co.
Hygrade Button & Supply Co.
Iselin-Jefferson Co., Inc.
Jayson's, Div. Jayson Silk Mills
Nylonet Corp.
Patek & Co.
Pittsburgh Waterproof Co.
Robins, G. S., & Co.
Smith, K. S., Inc.
Southern Mills, Inc.
Speare Co.
Tingue, Brown & Co.

TINGUE, BROWN & CO.
FABRIC SPECIALISTS FOR THE LAUNDRY INDUSTRY

NYLON—Only du Pont's heaviest net yarns used in our woven or knitted nets. Also available with *Girdle Tops* for maximum service. Edges or solid body colors in stock sizes at very low cost.

733 E. Washington Blvd., Los Angeles 21, Calif., Richmond 9-6023
507 Bishop Street, N.W., Atlanta, Georgia, ATwood 3964
1227 Wabash Avenue, Chicago 5, Illinois, HArrison 7-0082
1743 Center Avenue, New York 57, N. Y., CYpress 9-8800

Whitehouse Nylon Products
Zuckerberg Co.

NEUTRAL LUBRICANT

See: Spotting Agents

NICKEL AND NICKEL ALLOYS

Crucible Steel Co. of America
Haynes Stellite Co., Unit of Union Carbide & Carbon Corp.
International Nickel Co., Inc.

NON-RETURN TRAPS

See: Traps, Non-Return

NON-RETURN VALVES, BOILER

See: Valves, Boiler Non-Return

NOZZLES, SPRAY

American-LaFrance-Foamite Corp.
DeVilbiss Co.
Goodrich, B. F., Co.
Newhouse Specialty Co., Inc.
Spray Engineering Co.
Stewart-Warner Corp., Alemite Corp.
Yarnall-Waring Co.

NUMBERING MACHINES

American Numbering Machine Co.
Keyes-Davis Co.
Roberts Numbering Machine Co.
Stafford Mfg. Co., Inc.

NUTSHELLS, FUR CLEANING

See: Fur Cleaning Supplies

NYLON COVER CLOTH

See: Cloth, Cover

NYLON IRONER TAPE

See: Tape, Ironer

NYLON NETS

See: Nets, Laundry

NYLON PRESS CLOTH

See: Cloth, Press

ODOR ABSORBERS

See: Absorber, Odor

ODOR ELIMINATORS

Caled Products Co., Inc.
Davies-Young Soap Co.
Gliss'n Products Co., Inc.
Haertel, Walter, Co.
Kohnstamm, H., & Co., Inc.
Mead, George E., Co.
National Cleaners Chemical Mfg. Co.
Nu-Pro Mfg. Co.
Package Chemical Co., Inc.
Paper Chemicals, Inc.
Pennsylvania Refining Co.

OFFICE MACHINES

Allen, R. C., Business Machines, Inc.
Bernard-Franklin Co., Inc.
Burroughs Adding Machine Co.
Econo-Pak Register Co.
Egry Register Co.
National Cash Register Co.
Remington Rand Inc.
Simplex Time Recorder Co.
Standard Register Co.
Todd Co., Inc.

OIL AND STEAM SEPARATORS

See: Separators, Oil and Steam

OIL-BURNER GOVERNORS

See: Governors, Oil-Burner

OIL BURNERS

See: Burners, Oil

OIL COOLERS

See: Coolers, Oil, Water, Air

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

OIL CUPS
Lunkenheimer Co.
Oil-Rite Corp.
Stewart-Warner Corp., Alemite Corp.
Trisco Fuse Mfg. Co.
Victor Lubricator Sales Co.

OILERS
Lunkenheimer Co.
Oil-Rite Corp.
Stewart-Warner Corp., Alemite Corp.
Trico Fuse Mfg. Co.
Victor Lubricator Sales Co.

OIL FILTERS
Bowser, Inc.
Johnson Corp
Permutit Co.
Wright-Austin Co.

OILLESS BEARINGS
See: Bearings, Oilless

OIL PUMPS
See: Pumps, Oil

OIL-REMOVING FILTERS
See: Filters, Oil-Removing

OILS, LUBRICATING
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
College Chemical Co.
Cook's Adam, Sons, Inc.
Gulf Oil Corp., Gulf Refining Co.
Keystone Lubricating Co.
Lubriplate Div., Fiske Bros. Refining Co.
Pure Oil Co.
Standard Oil Co.
Stewart-Warner Corp., Alemite Corp.
Texas Co.
Union Oil Co. of California

OIL SOAPS
See: Soaps, Oil

OILS, SULPHONATED
See: Sulphonated Oils

OIL, TURKEY RED
See: Turkey Red Oil

OPTICAL BLEACH
See: Bleach

ORTHOSILICATE (SODIUM)
See: Sodium Orthosilicate

OVERALL FORMS
American Laundry Machinery Co.
Leef Bros., Inc.

OVERALL PRESSES
See: Presses, Overall

OVERFEED STOKERS
See: Stokers

OVERHEAD CONVEYORS
See: Conveyors (under specific headings)

OVERHEAD CRANES
See: Cranes, Overhead Electric

OXALIC ACID
DuPont de Nemours, E. I., & Co., Inc.
Innis, Speiden & Co.
Mallinckrodt Chemical Works
Victor Chemical Works

OZONE GENERATORS
See: Deodorizing Machines

PACKAGE DISCHARGE CONVEYORS
See: Conveyors, Package Discharge

PACKAGE-TYING MACHINES
See: Bundle Tyers

PACKAGING, LAUNDRY
Academy Paper Box Co.
Anderson Collar Support Co.
Anderson Paper Box & Bag Corp.
Better Packages, Inc.
Bond Street Bag & Paper Corp.
Brooks, Alfred J.
Cade Paper & Bag Corp.
Carry Pack Co., Ltd.
Century Paper Products
Comet Envelope & Paper Co., Inc.
Connolly, J. J. Inc.
Cornell Paperboard Products
Dee Paper Co.
Display Features
Dixie Hanger Co.
Ellenbogen & Shannon, Inc.
Great Eastern Paper Converters, Inc.
Gronauer, M. H., Co.
Hodge, Farwell & Co., Inc.
Kennedy Car Liner & Bag Co., Inc.
MacDonald Services
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Market Industries Co., Inc.
Nashua Corp., Sure-Hold Div.
National Tag & Label Corp.
Package Masters, Inc.
Pak-Rite Flexible Packaging Co.
Para-Lux Products Co.
Patek & Co.
Phoenix Products Co.
Quik-Pac Div., H. Wesley Hutchins Co.
Rosenthal Paper Co.
Spear Box Co.
Steele, J. W., & Co.
Story Mfg. Co.
Sutherland Paper Co.
Time Savers, Inc.
West Side Corp.
Whitman Supply Co., Inc.
Wormstead, Smith & Loomis, Inc.

PACKINGS
Aetna Felt Co., Inc.
Graton & Knight Co.
International Steel Wool Corp.
Johns-Manville
Philadelphia Belting Co.
U. S. Rubber Co.

PADDINGS, ASBESTOS
See: Pads and Padding, Press and Ironer

PADDING, COTTON
See: Pads and Padding, Press and Ironer

PADDING, FELT
See: Pads and Padding, Press and Ironer

PADDING, IRONER
See: Pads and Padding, Press and Ironer

PADS AND PADDING, PRESS AND IRONER
Aetna Felt Co., Inc.
Ajax Pressing Machine Corp.
American Associated Cos.
American Hair & Felt Co.
Arrow Mfg. Co., Inc.
Bonn, F. H., Co.
Brillo Mfg. Co.
Buckeye Specialties
Butler Mfg. Co.
Callaway Mills, Inc.
Carson Textile Co., Inc.
Egan Cotton Mills
Firefly Asbestos Products Co.
Gibraltar Fabrics, Inc.
Gold, Isidore
Gustin-Kramer Co.
Hooper, Wm. E., & Sons Co.
International Steel Wool Corp.
Jomac Inc.
Knitted Padding Co.
Lewis National Corp.
Magla Products
Manitowoc Cotton Goods Mfg. Co.
Maxant Button & Supply Co.
Newhouse Specialty Co., Inc.
New York Pressing Machinery Corp.
Orr Felt & Blanket Co.
Padcraft Corp.
Padright Co.
Patek & Co.
Pittsburgh Waterproof Co.
Quality Products Co.
Resillo Co.

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★ FLAMONEL (Monel-Flannel)
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307 Bishop Street, N.W., Atlanta, Georgia, ATwood 3861
1737 Wabash Avenue, Chicago 5, Illinois, HArrison 7-0063
1763 Carter Avenue, New York 57, N. Y., CYpress 9-8800

U. S. Rubber Co., Koylon Div.
Zeidler Mfg. Co.
Zellermayer, Nathan, & Co.
Zuckerberg Co.

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In easy to understand words and pictures, the techniques you need to turn out good work at a profit. Only $1.00, ORDER NOW from
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PADS, IRONER, FELT
See: Pads and Padding, Press and Ironer

PADS, IRONER, FLANNEL
See: Pads and Padding, Press and Ironer

PADS, IRONER, HANDKERCHIEF
See: Pads and Padding, Press and Ironer

PADS, MONEL METAL
See: Pads and Padding, Press and Ironer

PADS, PRESS AND IRONER, ASBESTOS
See: Pads and Padding, Press and Ironer

PADS, PRESS, COTTON
See: Pads and Padding, Press and Ironer

PADS, PRESS, FELT
See: Pads and Padding, Press and Ironer

PADS, PRESS, FLANNEL
See: Pads and Padding, Press and Ironer

PADS, PRESS, RUBBER
See: Pads and Padding, Press and Ironer

PADS, PRESS, SPRING
See: Pads and Padding, Press and Ironer

PADS, PRESS, STEEL WOOL
See: Pads and Padding, Press and Ironer

PADS, PRESS, WOVEN
See: Pads and Padding, Press and Ironer

PADS, TUMBLER
See: Tumbler Pads

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

PAILS, ACID-RESISTING
See: Buckets and Pails, Acid-Resisting

PAINT
American Abrasive Metals Co.
American Marietta Co.
Barreled Sunlight Paint Co.
Barrett Div., Allied Chemical & Dye Corp.
Continental Car-Na-Var Corp.
Devoe & Raynolds Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Glidden Co.
Horn, A. C., Co., Inc.
Huntington Laboratories, Inc.
Keystone Chemical Co.
Midland Paint & Varnish Co.
Pecora Paint Co., Inc.
Pittsburgh Plate Glass Co., Paint Div.
Quigley Co., Inc.
Sherwin-Williams Co.
Steelcote Mfg. Co.
Tropical Paint & Oil Co.

PAINT, ALUMINUM
See: Paint

PAINT, BRICK, CEMENT, CONCRETE, STONE
See: Paint

PAINT, HEAT-RESISTING
See: Paint

PAINT, METAL-PROTECTIVE
See: Paint

PAINT, MILL WHITE
See: Paint

PAINT, OIL AND GREASE REMOVER
Adco, Inc.
Adrian Research & Chemical Co., Inc.
Allen & Vickers, Inc.
Benda Products, Inc.
Caled Products Co., Inc.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Continental Car-Na-Var Corp.
Davies-Young Soap Co.
Dello Products Co.
Dixo Co.
Drew, E. F., & Co., Inc.
Dunaway & Co., H. J.
DuPont de Nemours, E. I., & Co., Inc.
Eaton Chemical & Dyestuff Co.
Edelmuth Mfg. Chemists
G & G Chemical Co.
Greenville Chemical Co.
Huntington Laboratories, Inc.
Johnson, W. F., Products Co.
Kenco Chemical Co., Inc.
Keystone Aniline & Chemical Co.
Kleentest Laboratories
Lewis National Corp.
Lustrol Drycleaning Products Co.
Merson Products Co.
Midland Paint & Varnish Co.
National Cleaners Chemical Mfg. Co.
Nu-Pro Mfg. Co.
Oakite Products, Inc.
Package Chemical Co., Inc.
Patek & Co.
Pennsylvania Salt Mfg. Co.
Riverside Chemical Co., Inc.
Riverside Mfg. Co.
Rusco Chemicals
Sandoz Chemical Works, Inc.
Slater-Robbins Co., Inc.
Spix Products Co., Inc.
Stadham Co., Inc.
Stamford Chemical Co.
Street, R. R., Co., Inc.

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ALL-PURPOSE SPOTTER
Sold by leading jobbers everywhere
Removes 90% of all stains including PAINT • OIL • GREASE

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Warco Laboratories
West Side Corp.
Wilson A. L., Chemical Co.
Zel-Tex Co., Inc.

PAINT-SPRAYING EQUIPMENT
American Brake Shoe Co., Kellog Div.
Binks Mfg. Co.
Continental Car-Na-Var Corp.
DeVilbiss Co.
Riverside Mfg. Co.
Spray Engineering Co.
Stewart-Warner Corp., Alemite Corp.

PAINT, STEAM- AND FUME-RESISTING
See: Paint

PAINT, TRUCK
See: Paint

PAINT, WOOD
See: Paint

PANTS BAGS
See: Bags, Pants or Trousers

PAPER, ASBESTOS
See: Asbestos Paper

PAPER BANDS
See: Bands, Paper

PAPER BOXES
See: Boxes, Fiber and Paper

PAPER HANGERS
See: Hangers, Garment

PAPER LAUNDRY BAGS
See: Bags, Laundry, Paper

PAPER LINERS
See: Liners, Paper

PAPER SHIRT ENVELOPES
See: Envelopes, Shirt

PAPER, WETWASH
Hollingsworth & Vose Co.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Permafiber Corp.
Spear Box Co., Inc.

PAPER WRAPPERS
See: Wrappers, Paper

PAPER, WRAPPING
Andrew Paper Box & Bag Corp.
Bond Street Bag & Paper Corp.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Rosenthal Paper Co.
Spear Box Co., Inc.
Wormstead, Smith & Loomis, Inc.

PASTE SOAPS
See: Soaps, Drycleaning

PATCHING AND MENDING MATERIALS
See: Mending, Patching Material

PEARL BUTTONS
See: Buttons

PENETRANTS
American Aniline Products, Inc.
Armour & Co., Industrial Soap Div.
Caled Products Co., Inc.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Davies-Young Soap Co.
Diamond Alkali Co.
Dixo Co.
Drew, E. F., & Co., Inc.
General Aniline & Film Corp., Special Products Sales Div.
Hercules Powder Co.
Hope Chemical Corp.
Keystone Aniline & Chemical Co.
Kohnstamm, H., & Co., Inc.
Lustrol Drycleaning Products Co.
Merson Products Co.
Nu-Pro Mfg. Co.
Procter & Gamble Distributing Company
Solvay Process Div., Allied Chemical & Dye Corp.
Van Chemical Co.
Warco Laboratories

PEN POINTS, MARKING
Applegate Chemical Co.
Ink-O Products Co.
National Marking Machine Co.

PENS, MARKING
Applegate Chemical Co.
Ink-O Products Co.
Mark-O Corp.
Mark-Tex Corp.
National Marking Machine Co.
Newhouse Specialty Co., Inc.
Stafford Mfg. Co., Inc.
Taubman, Samuel & Co.

PERCHLORETHYLENE
Columbia-Southern Chemical Corp.
Diamond Alkali Co.
Dow Chemical Co.
DuPont de Nemours, E. I., & Co., Inc.
Stauffer Chemical Co.
Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.

PERFORATED METAL
See: Metal, Perforated

PETROLEUM SOLVENT, SAFETY
See: Solvent, Safety Petroleum

pH CONTROL EQUIPMENT
Analytical Measurements, Inc.
Bailey Meter Co.
Bristol Co.
Diamond Alkali Co.
Elgin Softener Corp.
Foxboro Co.
Hungerford & Terry, Inc.
Minneapolis-Honeywell Regulator Co.
National Technical Laboratories
Permutit Co.
Proportioneers, Inc.
Taylor, W. A., & Co.

pH INDICATORS
See: Indicators, pH

PHOSPHATE CONTROL EQUIPMENT
Elgin Softener Corp.
Minneapolis-Honeywell Regulator Co.
Taylor, W. A., & Co.

PHOSPHATE, SODIUM TETRA-PHOSPHATE
See: Sodium Tetraphosphate

PHOSPHATE TEST KITS
See: Test Kits, Phosphate

PHOSPHATE, TRISODIUM
See: Trisodium Phosphate

PHOTOELECTRIC CONTROLS
See: Controls and Regulators, Photoelectric

pH TEST KITS
See: Test Kits, pH Control

PICK-UP BOXES, METAL
See: Drop Boxes

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The only Silicone Custom Finish used at the fabric mill. Extra beauty and protection for pennies!
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Fur-Feel Process Corp.
Kandu Chemicals, Inc.
Reliable Machine Works, Inc.
White Frost Chemicals, Inc.

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

PILLOW BLOCKS
See: Blocks, Hanger and Pillow

PILLOWCASE REPLACEMENTS
See: Replacements, Sheets, Pillowcases, etc.

PILLOWCASES
See: Replacements, Sheets, Pillowcases, etc.

PILLOW-FEATHER STERILIZING MACHINES
See: Sterilizing Machines, Pillow-Feather

PILLOW TICKINGS
See: Tickings

PIN AND TAG IDENTIFICATION SYSTEMS
See: Identification Systems

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Brass or Canvas, low cost standard sizes, also special models to order. Plain or numbered in sets with net and marking pins for bundle identification. Write for catalog.
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Hercules Powder Co.
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Speedlite Chemicals Co.
Thompson-Hayward Chemical Co.
Universal Solvent Co.

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Adco, Inc.
Apex Chemical Co., Inc.
Continental Car-Na-Var Corp.
Davis-Weil Mfg. Co.
Drew, E. F., & Co., Inc.
Hercules Powder Co.
Lincoln Research, Inc.
Riverside Chemical Co., Inc.
Speedlite Chemicals Co.
Standard Soap Co., Div. Concord Chemical Co., Inc.
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Straight, safety, marking and net pins, plain or numbered. Many sizes. Best quality brass, steel, also stainless steel net and marking pins. Low prices, prompt service. Write for catalog of pins and carriers.
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Special stainless steel net and marking pins resist corrosive action of dye solutions, stay bright and readable. Write for catalog.
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PINS, MARKING
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NET PINS
All popular sizes, nickel plated brass and stainless steel. Plain or numbered. Also marking pins, pin carriers, sorting rack and shirt sorting bins. Write for catalog.
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Key-Tag Checking System Co.
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Risdon Mfg. Co.

PINS, SAFETY
Fleischer Mills, Inc.
Goodman, A., & Co.
Keyes-Davis Co.

BULK SAFETY PINS
Nickel plated steel or brass in several sizes. Needle points. Also net and marking pins brass or stainless steel, plain or numbered. Brass or canvass pin carriers. Write for pin and carrier catalog.
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Risdon Mfg. Co.

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Naugatuck, Connecticut
Net Pins — Cover Cloth Fasteners
Safety Pins — Marking Flags
Hanger Clips — Straight Pins

PINS, STAINLESS STEEL
Keyes-Davis Co.

STAINLESS STEEL PINS
Net and marking pins for diaper laundries and dye houses. Resist corrosion of acids and solutions, do not deteriorate nylon nets. Plain or numbered. Write for catalog of pins and carriers.
THE KEYES-DAVIS COMPANY
77-14th Street, Battle Creek, Michigan

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American Laundry Machinery Co.
Keyes-Davis Co.
National Marking Machine Co.
Risdon Mfg. Co.

PIPE, ACID-RESISTING ALLOY
Allegheny-Ludlum Steel Corp.
Crane Co.
Crucible Steel Co. of America
Haynes Stellite Co., Unit of Union Carbide & Carbon Corp.
Johns-Manville
Republic Steel Corp.
Revere Copper & Brass, Inc.

PIPE, ACID-RESISTING HARD RUBBER
U. S. Rubber Co.

PIPE, ASBESTOS CEMENT
Carey, Philip, Mfg. Co.
Johns-Manville

PIPE, CAST-IRON
Brady Conveyors Corp.
Crane Co.

PIPE, COPPER AND BRONZE
Bridgeport Brass Co.
Chase Brass & Copper Co.
Revere Copper & Brass, Inc.

PIPE COUPLINGS
See: Couplings, Pipe

PIPE COVERING, ASBESTOS
See: Insulation, Pipe and Boiler

PIPE CUTTERS AND THREADERS
Beaver Pipe Tools, Inc.
Crane Co.

PIPE FITTINGS
See: Fittings, Pipe

PIPE INSULATION
See: Insulation, Pipe and Boiler

PIPE-JOINT CLAMPS
See: Clamps, Pipe-Joint

PIPE-JOINT COMPOUND
Armite Laboratories
Bowser, Inc.
Carey, Philip, Mfg. Co.
Crane Co.
DuPont de Nemours, E. I., & Co., Inc.
Keystone Lubricating Co.
Pecora Paint Co., Inc.
Quigley Co., Inc.

PIPE-LINE STRAINERS
See: Strainers, Pipe-Line

PIPE, NICKEL AND NICKEL ALLOY
Allegheny-Ludlum Steel Corp.
Crane Co.
Crucible Steel Co. of America
International Nickel Co., Inc.

PIPE-REPAIR CLAMPS
See: Clamps, Pipe-Repair

PIPE, STEEL
Allegheny-Ludlum Steel Corp.
Crane Co.
Republic Steel Corp.
Trent Tube Co.

PIPE WRENCHES
See: Wrenches, Pipe

PLASTIC BUTTONS
See: Buttons

PLASTIC FIREBRICK
See: Firebrick

PLATFORM TRUCKS
See: Trucks, Industrial

PLEATERS AND PLEATING MACHINES
Maxant Button & Supply Co.

PNEUMATIC CONVEYORS
See: Conveyors, Pneumatic, Bulk

PNEUMATIC HOISTS
See: Hoists

POCKET FORMS
Leef Bros., Inc.

POCKET REPLACEMENTS
See: Replacements, Pocket, Trouser

POLES, RUG AND CARPET
See: Rug and Carpet Cleaning Equipment

POLISHING MACHINES, FLOOR
See: Floor Cleaning, Scrubbing and Polishing Machines

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

POLISH, METAL

DuPont de Nemours, E. I., & Co., Inc.
Huntington Laboratories, Inc.
International Metal Polish Co.
Keystone Chemical Co.
Stearns, George, Chemical & Mfg. Co.

POLISH TWINE

American Associated Cos.

PORTABLE BLOWERS

See: Blowers

PORTABLE SCALES

See: Scales

POSTERS

Capital Poster Service
Crowdson Co.
Display Features
Foster-Stephens, Inc.
United Print Shop

POWDER, BLEACHING

See: Bleaching Powder

POWDER, BREAK

See: Break Powder

POWDER DISPENSERS, FILTER

See: Filter Powder Dispensers

POWDER, FILTER

See: Filter Powder

POWER HOISTS

See: Hoists

POWER PLANTS AND UNITS, STEAM

See: Boilers and Steam Generators

PREFABRICATED BUILDINGS

See: Buildings, Prefabricated

PREHEATERS

American District Steam Co., Inc.
Bros, Wm., Boiler & Mfg. Co.
Butler Mfg. Co.
Davis Engineering Corp.
Kewanee-Ross Corp.
Patterson-Kelley Co., Inc.
Schaub, Fred H., Engineering Co.
Stout, David, & Sons
Taco Heaters, Inc.
Vic Cleaning Machine Co.
Whitlock Mfg. Co.
Wiegand, Edwin L., Co.

PRE-MARKING CONTAINERS

Sak-Rak Co.

PREMIUM PLANS AND GIFT MERCHANDISE

Belnap & Thompson, Inc.
Cappel McDonald & Co.
Dipcraft Mfg. Co.
Premium Service Co.
Wil-Nor Products

PRESERVATIVES, BELT

National Chemical Sales Co., Inc.
Riverside Chemical Co., Inc.
Williams, I. B., & Sons

PRESPOTTERS

Adco, Inc.
Adrian Research & Chemical Co., Inc.
Allen & Vickers, Inc.
Benda Products, Inc.
Caled Products Co., Inc.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Davies-Young Soap Co.
Dello Products Co.
Dixo Co.
Edelmuth Mfg. Chemists
Emery Industries, Inc., Sanitone Div.
G & G Chemical Co.
Hope Chemical Co.
Keystone Aniline & Chemical Co.
Lustrol Drycleaning Products Co.
Mead, George E., Co.
Merson Products Co.
National Cleaners Chemical Mfg. Co.
Nu-Pro Mfg. Co.
Package Chemical Co., Inc.
Patek & Co.
Pennsylvania Salt Mfg. Co.
Riverside Chemical Co., Inc.
Riverside Mfg. Co.
Slater-Robbins Co. Inc.
Spix Products Co.
Stadham Co., Inc.
Stamford Chemical Co.
Street, R. R., & Co., Inc.

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Cyclo "S"
SOAPLESS PRESPOTTER
Cyclo "S" is designed specifically for prespotting in modern charge system plants where build-up of true soap compounds is objectionable. Unlike the standard Cyclo, two components of which comprise true soap and moisture, the new synthetic Cyclo "S" is both soapless and anhydrous.

Takamine Laboratory, Div. Miles Laboratories, Inc.
Warco Laboratory, Inc.
West Side Corp.
Wilson, A. L., Chemical Co.
Zel-Tex Co., Inc.

PRESPOTTING MACHINES

Cissell, W. M., Mfg. Co., Inc.
Sani-Matic Brusher

PRESS BOARDS

American Pressboard Co.
Automatic Steam Products Corp.
Behrstock, L., Co.
Cooper, H. P. & Co.
Newhouse Specialty Co., Inc.
New York Pressing Machinery Corp.
Roberts Mfg. Co.
White Machine Co., Inc.

PRESS CLAMPS

Amber Mfg. Co.
Glover, Bill, Inc.
Ink-O Products Co.
Newhouse Specialty Co., Inc.

PRESS CLEANERS

Butler Mfg. Co.
College Chemical Co.
Dello Products Co.
Keever Starch Co.
Stadham Co., Inc.
Tyson Sales Co.

PRESS CLOTH

See: Cloth, Press

PRESS CLOTH, WOOL

See: Cloth, Press

PRESS COVERS

American Associated Cos.
Bonn, P. H., Co.
Butler Mfg. Co.
Callaway Mills, Inc.
Carson Textile Co., Inc.
Fry Brothers Co.
Gibraltar Fabrics, Inc.
Gold, Isidore
Gustin-Kramer Co.
Jomac, Inc.
Kliegman Bros., Inc.
Kohnstamm, H., & Co., Inc.
Lewis National Corp.
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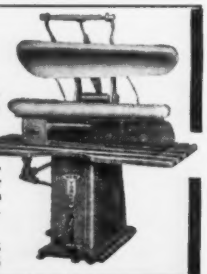

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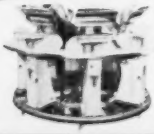
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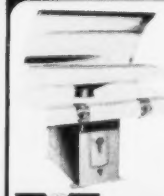
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Foxboro Co.
Haertel, Walter, Co.
Hays Corp.
Mason-Neilan Regulator Co.
Minneapolis-Honeywell Regulator Co.
Powers Regulator Co.
Pyrometer Instrument Co., Inc.
Republic Flow Meters Co.
U. S. Gauge Div., American Machine & Metals Inc.
Weston Electrical Instrument Corp.

RECORDERS, TIME

Barber-Colman Co.
Bildwel Manufacturers
Foxboro Co.
Lathem Time Recorder Co.
Minneapolis-Honeywell Regulator Co.
Norman Control Co.
Service Recorder Co.
Simplex Time Recorder Co.

RECORDERS, TRUCK

Minneapolis-Honeywell Regulator Co.
Service Recorder Co.

RECORDERS, VACUUM

Bailey Meter Co.
Bristol Co.
Defender Instrument & Regulator Co.
Electric Auto-Lite Co., Instrument & Gauge Div.
Foxboro Co.
Mason-Neilan Regulator Co.
Minneapolis-Honeywell Regulator Co.
Republic Flow Meters Co.
Weston Electrical Instrumenet Corp.

RECORDERS, WASHWHEEL

Foxboro Co.
Huebsch Mfg. Co.
Minneapolis-Honeywell Regulator Co.
Norman Control Co.
Weston Electrical Instrument Corp.

RECORDING GAUGES

See: Gauges, Recording

RECORDING THERMOMETERS

See: Thermometers, Recording

RECORD SYSTEMS

Econo-Pak Register Co.
Haertel, Walter, Co.
National Cash Register Co.
National Marking Machine Co.
New England Business Service
Recordak Corp.
Remington Rand Co.
Royal-McBee Co.
Rubinoff, M., Inc.
Standard Register Co.
Stry-Lenkoff Co.
Todd Co., Inc.
Wormstead, Smith & Loomis, Inc.

RECOVERY UNITS, SOLVENT

See: Solvent Recovery Units

RED OIL, TURKEY

See: Turkey Red Oil

REDUCERS, SPEED

Boston Gear Works, Inc.
General Electric Co.
Link-Belt Co.

REDUCING AND REGULATING VALVES

See: Valves, Reducing and Regulating

REELS, HOSE

Alemite Div., Stewart-Warner Corp.
Wayne Pump Co.

REELS, SORTING

See: Sorting Reels

REFRACTORY CEMENT

See: Cement, Refractory

REFRACTORY MATERIALS

Carey, Philip, Mfg. Co.
Green, A. P., Fire Brick Co.
Johns-Manville
Mexico Refractories Co.
Plibrico Co.
Quiglev Co., Inc.
Ramtite Co., Div. S. Obermayer Co.

REFRIGERATION, MECHANICAL

American Blower Corp., Div. American-Standard
Brunner Mfg. Co.
Carrier Corp.
General Electric Co., Air Conditioning Dept.
Kelvinator Div., Nash-Kelvinator Corp.
Reliable Machine Works, Inc.
Trane Co.
Vic Cleaning Machine Co.

REGISTERS, AUTOGRAPHIC, AND SUPPLIES

Autographic Register Co.
Econo-Pak Register Co.
Egry Register Co.

(Continued on next page)

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

CLASSIFIED DIRECTORY

Registers, Autographic, and Supplies (Continued)

Hub Printing Services
Moore Business Forms, Inc.
Ohmer Register Co.
Standard Register Co.

REGISTERS, CASH AND CONTROL

Allen, R. C., Business Machines, Inc.
Burroughs Adding Machine Co.
Moore Business Forms, Inc.
National Cash Register Co.
Ohmer Register Co.
Standard Register Co.

REGULATORS

See: Controls and Regulators (under specific headings)

RELIEF VALVES

See: Valves, Relief

REMOVERS, PAINT

See: Paint Removers

REMOVERS, RUST

See: Rust Removers

REMOVERS, STAIN

See: Stain Removers

REPELLENTS, MOTH

See: Mothproofing Agents

REPELLENTS, WATER

See: Water Repellents

REPLACEMENTS, COLLAR, CUFF AND NECKBAND

Bussard, R. D., & Son
Dublife Collar Co.
Hygrade Button & Supply Co.
Zuckerberg Co.

REPLACEMENTS, POCKET, TROUSER

Bussard, R. D., & Son
Dublife Collar Co.
Patek & Co.
Zuckerberg Co.

REPLACEMENTS, SHEETS, PILLOWCASES, ETC.

American Associated Cos.
Lasca Inc.
Reed-Stabin, Inc.
Zuckerberg Co.

RETURN SYSTEMS, BOILER

See: Boiler Return Systems

RETURN SYSTEMS, EXTRACTED SOLVENT

Carver, Tom, Inc.
Hammond Laundry-Cleaning Machinery Co.
Midwest Laundry & Cleaning Machinery Co.
New York Pressing Machinery Corp.
Pellerin Milnor Corp.
Troy Laundry Machinery Div., American Machine & Metals, Inc.

RETURN SYSTEMS, STEAM CONDENSATE

Acker, W. M., Organization, Inc.
Carver, Tom, Inc.
Chicago Pump Co.
Cochrane Corp.
Cycloterm Div., National-U. S. Radiator Corp.
Davis Engineering Corp.
Glover, Bill, Inc.
Johnson Corp.
Midwest Laundry & Cleaning Machinery Co.
Moorehead Mfg. Co.
Pantex Mfg. Corp.
Patterson-Kelley Co., Inc.
Schaub, Fred H., Engineering Co.
Spotswood Parker & Co.
Southern Machinery Co.
Sterling Engineering & Mfg. Corp., Templeton *Mfg. Co.*
Stout, David, & Sons
Strong, Carlisle & Hammond Co.
U. S. Hoffman Machinery Corp.

RETURN TRAPS

See: Traps, Return

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Ace Weaving Service
Adams Weaving Co.
Amber School of Reweaving
American Textile Weaving Co.
Berger Damage Reweaving Co.
Cincinnati Repair Service
Columbus Reweavers
French Textile Co.
Globe Weaving Co.
Hinz Needle Co.
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Magic Textile Weavers
Mohl, Hedda
National Repair Service
Nelsonating
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Wonder Weavers

REWEAVING SCHOOL

Amber School of Reweaving

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See: Cellophane Products

RIBBONS, FEED

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Egan Cotton Mills
Hope Webbing Co.
New York Belting & Packing Co.
Patek & Co.
Pittsburgh Waterproof Co.
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Southern Mills, Inc.
Tingue, Brown & Co.
Victor Balata & Textile Belting Co.
Wick Narrow Fabric Co.

ROLL COVERS

Aetna Felt Co., Inc.
Bonn, F. H., Co.
Callaway Mills, Inc.
Carson Textile Co., Inc.
Gibraltar Fabrics, Inc.
Goodrich, B. F., Co.
Maxant Button & Supply Co.
Patek & Co.
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Revolite Div., Raybestos-Manhattan, Inc.

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Whitehouse Nylon Products

ROLLER BEARINGS

See: Bearings, Roller

ROLLER BEARINGS, JOURNAL

See: Bearings, Journal Roller

ROLLS, RUBBER-COVERED

Goodrich, B. F., Co.
U. S. Rubber Co.

ROOFING, CHANNEL, METAL

Berger Mfg. Div., Republic Steel Corp.
Revere Copper & Brass, Inc.

ROOFING MATERIALS

Barrett Div., Allied Chemical & Dye Corp.
Carey, Philip, Mfg. Co.
Flintkote Co.
Horn, A. C., Co., Inc.
Johns-Manville
Revere Copper & Brass, Inc.
Rubber City Mfg. Co.
Ruberoid Co.
Steelcote Mfg. Co.
Tropical Paint & Oil Co.

ROOFING, METAL

Berger Mfg. Div., Republic Steel Corp.
International Nickel Co., Inc.
Republic Steel Corp.
Revere Copper & Brass, Inc.

ROOF RESURFACING MATERIALS

Barrett Div., Allied Chemical & Dye Corp.
Flintkote Co.
Horn, A. C., Co., Inc.
Johns-Manville
Riverside Chemical Co., Inc.
Ruberoid Co.
Steelcote Mfg. Co.
Tropical Paint & Oil Co.

ROOF VENTILATORS

See: Ventilators

ROOMS, DRY-

See: Dryrooms

ROOMS, MARKING

See: Marking Rooms

ROTARY BEATERS

See: Beaters, Carpet and Rug

ROTARY BRUSHES, FUR CLEANING

American Pressboard Co., Inc.
Atlanta Brush Co.
Haertel, Walter, Co.
Pennington, C. W., Co.
Reliable Machine Works, Inc.

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Certified Chemical & Equipment Co.
Cleveland Rug Cleaning Machinery Co.
Hild Floor Machine Co.
Lincoln-Schluetter Floor Machinery Co., Inc.
Multi-Clean Products, Inc.
Pennington, C. W., Co.
United Vacuum Appliance Corp.

ROTARY BRUSH REFILLS

Certified Chemical & Equipment Co.
Multi-Clean Products, Inc.
Pennington, C. W., Co.

ROTARY CONVERTERS

See: Converters, Rotary

ROTARY PUMPS

See: Pumps (under specific headings)

RUBBER BELTING

See: Belting, Rubber

RUBBER BOOTS

See: Boots, Rubber

RUBBER CEMENT

See: Cement, Rubber

RUBBER GOODS, MOLDED

Behrstock, L., Co.
Carlyle Rubber Co., Inc.
Darnell Corp., Ltd.
U. S. Rubber Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

RUBBER HOSE
See: Hose, Rubber

RUBBER MARKERS
See: Markers, Rubber

RUBBER NETS
See: Nets, Laundry

RUBBER PADDING
See: Pads and Padding, Press and Ironer

RUBBER PAILS
See: Buckets and Pails, Acid-Resisting

RUBBER STAMPS
See: Stamps, Rubber

RUBBER-TIRED WHEELS
See: Wheels and Casters, Trucks, etc.

RUFFLE IRONERS
See: Ironers, Ruffle

RUG AND CARPET BINDING
See: Binding, Rug and Carpet

RUG AND CARPET CLEANING EQUIPMENT
Advance Floor Machine Co.
Aqua-Jet Machines Corp.
American Laundry Machinery Co.
Bertsch & Co., Inc.
Certified Chemical & Equipment Co.
Cleveland Rug Cleaning Machinery Co.
Continental Car-Na-Var Corp.
Hammond Laundry-Cleaning Machinery Co.
Hild Floor Machine Co.
Holt Mfg. Co.
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Mar-Mak Machinery Mfg. Co.
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Elkhart, Indiana

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United Vacuum Appliance Corp.

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Cleveland Rug Cleaning Machinery Co.
Hild Floor Machine Co.
Hoyt Mfg. Co.
Proctor & Schwartz, Inc.
United Vacuum Appliance Corp.

RUG AND CARPET DUSTERS
American Laundry Machinery Co.
Cleveland Rug Machinery Co.
United Vacuum Appliance Corp.

RUG AND CARPET SCRUBBING MACHINES
American Laundry Machinery Co.
Breuer Electric Mfg. Co.
Certified Chemical & Equipment Co.
Cleveland Rug Cleaning Machinery Co.
Continental Car-Na-Var Corp.
Hild Floor Machine Co.
Holt Mfg. Co.
Moore's Time-Saving Equipment, Inc.
Multi-Clean Products, Inc.
Proctor & Schwartz, Inc.
Rugmasters Mfg. Co.
United Vacuum Appliance Corp.

RUG AND CARPET SIZING EQUIPMENT
See: Rug and Carpet Cleaning Equipment

RUG AND CARPET SIZINGS
See: Sizings, Rug

RUG AND CARPET SOAPS
See: Soaps, Rug and Carpet

RUG AND CARPET STRETCHERS
Moore's Time-Saving Equipment, Inc.
United Vacuum Appliance Corp.

RUG AND CARPET WRINGERS
American Laundry Machinery Co.
Bertsch & Co.
Cleveland Rug Cleaning Machinery Co.
Moore's Time-Saving Equipment, Inc.
United Vacuum Appliance Corp.

RUG BEATERS
American Laundry Machinery Co.
Cleveland Rug Cleaning Machinery Co.
Hild Floor Machine Co.
United Vacuum Appliance Corp.

RUG CLEANING AND FINISHING COMPOUNDS
Adrian Research & Chemical Co., Inc.
American Alcolac Corp.
Apex Chemical Co., Inc.
Armour & Co., Industrial Soap Dept.
Bigelow-Sanford Carpet Co.
Blenco Co.
Caled Products Co., Inc.
Calgon, Inc.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Certified Chemical & Equipment Co.
Colgate-Palmolive Co.
Continental Car-Na-Var Corp.
Davies-Young Soap Co.
Diamond Alkali Co.
Diamond Chemical Co., Inc.
Edelmuth Mfg. Chemists
Endriss Chemicals
Fumol Corp.
Glaucrete, Inc.
Gliss'n Products Co., Inc.
Hercules Powder Co.
Hild Floor Machine Co.
Holt Mfg. Co.
Hope Chemical Corp.
Huntington Laboratories, Inc.
Keever Starch Co.
Lewis National Corp.
Los Angeles Soap Co.
Marvella Corp.
Merson Products Co.
Multi-Clean Products, Inc.
Nu-Pro Mfg. Co.
Oakite Products Co.
Patek & Co.
Pennsylvania Salt Mfg. Co.
Philadelphia Quartz Co.
Procter & Gamble Distributing Co.
Riverside Mfg. Co.
Slater-Robbins Co., Inc.
Standard Soap Co. of Camden
Stearns, George, Chemical & Mfg. Co.
Warco Laboratories
Wyandotte Chemicals Corp., J. B. Ford Div.

RUG DRYING CONVEYORS
See: Conveyors, Rug Drying

RUG DYEING
See: Dyeing, Rug and Carpet

RUG ROLLERS AND WRAPPERS
Dyken Mfg. Co., Inc.

RUG TUMBLERS
See: Tumblers, Rug Cleaning

RUG WASHERS
See: Washers, Rug

RUST PREVENTATIVES
Acme Industrial Compound Corp.
Adrian Research & Chemical Co., Inc.
Calgon, Inc.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Culligan Zeolite Co.
Drew, E. F., & Co., Inc.
Flintkote Co.
Gulf Oil Corp., Gulf Refining Co.
Huntington Laboratories, Inc.
Kennedy Products Co.
Keystone Lubricating Co.
Midland Paint & Varnish Co.
National Chemical Sales Co., Laboratory, Inc.
Oakite Products, Inc.
Pennsylvania Salt Mfg. Co.
Philadelphia Quartz Co.
Quigley Co., Inc.
Standard Oil Co.
Stearns, George, Chemical & Mfg. Co.
Stewart-Warner Corp., Alemite Corp.
Subox, Inc.
Tropical Paint & Oil Co.
Union Oil Co. of California
Watson-Standard Co.

RUST REMOVERS
Dello Products Co.
Diamond Chemical Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
General Chemical Div., Allied Chemical & Dye Corp.
Greenville Chemical Co.
Hachik Bleach Co.
Hood Chemical Co., Inc.
Hope Chemical Corp.
Huntington Laboratories, Inc.
Johnson Chemical Industries, Inc.
Johnson, W. F., Products Co.
Keystone Aniline & Chemical Co.
Keystone Lubricating Co.
Kohnstamm, H., & Co., Inc.
Lustrol Drycleaning Products Co.
National Chemical Sales Co., Inc.
Oakite Products Co.
Patek & Co.
Pennsylvania Salt Mfg. Co.
Riverside Chemical Co., Inc.
Victor Chemical Works
Wilson, A. L., Chemical Co.

SAFETY AND RELIEF VALVES
See: Valves, Safety, or Valves, Relief

SAFETY CANS
See: Cans, Safety

SAFETY EQUIPMENT
Davis Emergency Equipment Co., Inc.
Eclipse Fuel Engineering Co.
General Detroit Corp.
General Pacific Corp.
General Scientific Equipment Co.
Goodrich, B. F., Co.
Industrial Products Co.
Mine Safety Appliances Co.
Photoswitch, Inc.
U. S. Rubber Co.

SAFETY GUARDS
Industrial Products Co.

SAFETY PINS
See: Pins, Safety

SAFETY SWITCHES
See: Switches, Safety, Electric

SALES BOOKS
Con-Secu-Tag, Inc.
Econo-Pak Register Co.
Elliot, Robert, Press, Inc.
Hub Printing Services
International Tag & Salesbook Co.
Moore Business Forms, Inc.
New England Business Service
Rosenthal Paper Co.
Rubinoff, M., Inc.
Stry-Lenkoff Co.
United Autographic Register Co.
Wormstead, Smith & Loomis, Inc.

SALES CONTROL SYSTEMS
Allen, R. C., Business Machines, Inc.
Econo-Pak Register Co.
Egry Register Co.
Hub Printing Services
Identification, Inc.
Moore Business Forms, Inc.
Standard Register Co.
Stry-Lenkoff Co.
United Autographic Register Co.

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For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

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See: Advertising and Sales Promotion Material

SALES RECORDING REGISTERS
Allen, R. C., Business Machines, Inc.
Burroughs Adding Machine Co.
Egry Register Co.
Moore Business Forms, Inc.
Remington Rand, Inc.
Standard Register Co.
United Autographic Register Co.

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Carey Salt Co.
Industrial Products Co.
International Salt Co.
Jefferson Island Salt Co., Inc.
Pennsylvania Salt Mfg. Co.

SALT TABLETS AND DISPENSERS
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Industrial Products Co.
International Salt Co.
Mine Safety Appliance Co.

SAWDUST, FUR CLEANING
See: Fur Cleaning Supplies

SCALES
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Chatillon, John, & Sons
Detecto Scales, Inc.
Fairbanks Morse & Co.
Howe Scale Co.
Newhouse Specialty Co., Inc.
Toledo Scale Co.
Triner Scale & Mfg. Co.

SCHOOLS, LAUNDRY AND DRYCLEANING
American Institute of Laundering
Hubbard Drycleaning & Redyeing School
National Institute of Drycleaning
Ohio Mechanics Institute
Robinson School of Weaving

SCOOPS
Blenco Co.

SCRUBBING MACHINES, FLOOR
See: Floor Cleaning, Scrubbing and Polishing Machines

SCRUBBING MACHINES, GARMENT
Hopkins Equipment Co.

SCRUBBING MACHINES, RUG AND CARPET
See: Rug and Carpet Scrubbing Machines

SCRUB TUBS
See: Tubs, Scrub

SEALING MACHINES
Better Packages, Inc.
Dixie Hanger Co.
Ideal Stencil Machine Co.
Nashua Package Sealing Co., Inc.

SEALING MATERIALS, FLOOR
See: Floor Sealing and Repair Materials

SEALS
See: Labels and Seals

SEAM AND COLLAR DAMPENERS
See: Dampeners, Collar and Seam

SEAMLESS TUBING
See: Tubing, Seamless, Flexible Metal, or Tubing, Seamless Steel

SECOND-HAND MACHINERY
See: Machinery, Used and Rebuilt

SEPARATORS, AIR
See: Air Separators

SEPARATORS, OIL AND STEAM
American District Steam Co., Inc.
Anderson, V. D., Co., Div., International Basic Economy Corp.
D'Este Div., Kaye & MacDonald, Inc.
Drico Industrial Corp.
Johnson Corp.
Marshall Heater Co.
Nicholson, W. H., & Co.
Strong, Carlisle & Hammond Co.
Velan Engineering Co.
Wright-Austin Co.

SESQUICARBONATE, SODIUM
See: Sodium Sesquicarbonate

SESQUISILICATE, SODIUM
See: Sodium Sesquisilicate

SETTINGS, BOILER
See: Boiler Settings

SEWAGE EJECTORS
See: Ejectors, Sewage

SEWAGE PUMPS
See: Pumps, Sewage

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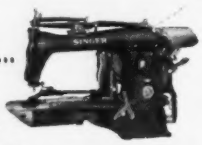
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Lewis Invisible Stitch Machine Co.
U. S. Blind Stitch Machine Corp.
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Chandler Machine Co.
Singer Sewing Machine Co., Inc.

SEWING MACHINES, FUR
Bonis Bros. Fur Machinery Corp.
Haertel, Walter, Co.
Reliable Machine Works, Inc.
Singer Sewing Machine Co., Inc.

SEWING MACHINES, MARKING-TAG
Chandler Machine Co.
Singer Sewing Machine Co., Inc.

SHAFT COUPLINGS
See: Couplings, Shafts

SHAKE-OUT TUMBLERS
See: Tumblers, Shake-out

SHAKERS, FLATWORK
See: Flatwork Shakers

SHAKING GRATES
See: Grates, Shaking and Stationary

SHAPER-DRIERS, GARMENT
Chandler Machine Co.

SHAPERS, COLLAR
Key-Tag Checking System Co.
Reed Mfg. Co.
Troy Laundry Machinery Div., American Machine & Metals, Inc.

SHAPERS, SLEEVE
See: Sleeve Shapers

SHEAVES, BELTING
Eagle Belting & Leather Co.
Gates Rubber Co.
Wood, T. B., Sons Co.
Worthington Corp.

SHEAVES, "V" BELTING
Gates Rubber Co.
Wood, T. B., Sons Co.
Worthington Corp.

SHEET REPLACEMENTS
See: Replacements, Sheets, Pillowcases, etc.

SHEETS, CELLOPHANE
See: Cellophane Products

SHELVING, METAL
Berger Mfg. Div., Republic Steel Corp.
Bernard-Franklin Co., Inc.
Haertel, Walter, Co.

SHIELDS, HANGER
See: Hanger Shields and Guards

SHINE REMOVAL
Bestway Shine Removal Co., Inc.

SHIPPING CASES
See: Cases, Shipping

SHIRT BAGS
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Cade Paper & Bag Corp.
Century Paper Products
Colonial Envelope Co., Inc.
Comet Envelope & Paper Co., Inc.
Duro Envelope Co.
Ellenbogen & Shannon, Inc.
Everett Sales & Equipment Corp.
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Kwik-Kover Sales Co.
Lee Converters, Inc.
Loroco Industries, Inc.
M & B Metal Products Co.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Marion Mfg. Co.
Package Masters, Inc.
Pak-Rite Flexible Packaging Co.
Para-Lux Products Co.
Patek & Co.
Phoenix Products Co.
Rosenthal Paper Co.
Spear Box Co., Inc.
Tele-Vue Packaging Products, Inc.
Time Savers, Inc.
West Side Corp.

SHIRT BAGS, DRESS-SHIRT
See: Bags, Dress-Shirt

SHIRT BANDS
See: Bands, Paper

SHIRT BASKETS
See: Baskets, Shirt

SHIRT BOARDS
Andrew Paper Box & Bag Corp.
Bond Street Bag & Paper Corp.
Brooks, Alfred J.
Century Paper Products
Cornell Paperboard Products Co.
Dixie Hanger Co.
Gronauer, M. H., Co.
M & B Metal Products Co.
Majestic Paper & Twine Co., Inc. (Laundry & Drycleaning Supply Div.)
Market Industries Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Package Masters, Inc.

SHIRT PAX
PACKAGE MASTERS, INC.
2525 S. Wabash Ave., Chicago 16, Ill.

SPORTFOLIO
PACKAGE MASTERS, INC.
2525 S. Wabash Ave., Chicago 16, Ill.

Patek & Co.
Para-Lux Products Co.
Phoenix Products Co.
Scientific Packages, Inc.
Spear Box Co., Inc.
Sutherland Paper Co.
West Side Corp.
Wornstead, Smith & Loomis, Inc.

SHIRT CARRIAGES
Bishop David Freeman Co.
Reyes-Davis Co.
New York Pressing Machinery Corp.
Time Savers, Inc.
White Machine Co., Inc.

SHIRT CONVEYORS
See: Conveyors, Shirt

SHIRT EMBLEMS
See: Emblems

SHIRT ENVELOPES, CARDBOARD
See: Shirt Bags

SHIRT ENVELOPES, CELLOPHANE
See: Shirt Bags

SHIRT ENVELOPES, GLASSINE
See: Shirt Bags

SHIRT ENVELOPES, PAPER
See: Shirt Bags

SHIRT FINISHERS
Ajax Pressing Machine Corp.
American Laundry Machinery Co.
Forse Corp.
Key-Tag Checking System Co.
National Textile Chemical Co.
New York Pressing Machinery Corp.
Pantex Mfg. Corp.
Prosperity Co., Inc.
Super Laundry Machinery Co.
Unipress Co.

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American Laundry Machinery Co.
Bishop David Freeman Co.
Forse Corp.
Prosperity Co., Inc.
Steele, J. W., & Co.
Unipress Co.

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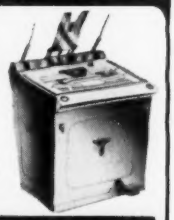
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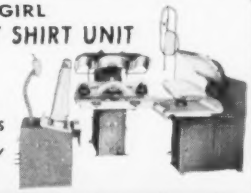
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Ludell Mfg. Co.
Sarco Co., Inc.
Sterling, Inc.
Strong, Carlisle & Hammond Co.
Watts Regulator Co.
Wright-Austin Co.
Yarnall-Waring Co.

STRETCHERS, BLANKET
American Laundry Machinery Co.
Hopkins Equipment Co.
National Dryer Mfg. Co.
U. S. Hoffman Machinery Corp.

STRETCHERS, CURTAIN
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National Dryer Mfg. Co.
Rosenthal Mfg. Co.
West Coast Laundry Machinery Co.

STRETCHERS, HAT
See: Hatters' Equipment

STRETCHERS, RUG AND CARPET
See: Rug and Carpet Stretchers

STRING-MARKING ELIMINATOR, FLATWORK IRONER
American Associated Cos.
Rosenthal Mfg. Co.

STRING, PRINTED
Milwaukee Printed String Co.
Rosenthal Paper Co.
Spear Box Co., Inc.

STRINGS, COVER CLOTH
See: Cover Cloth Clamps or Strings

STRINGS, FLATWORK IRONER
See: Flatwork Ironer Strings

STRIPPERS
Caled Products Co., Inc.
Dixo Co.
DuPont de Nemours, E. I., & Co., Inc.
Eaton Chemical & Dyestuff Co.
Hood Chemical Co.
Ideal Industries, Inc.
Johnson Chemical Industries, Inc.
Kenco Chemical Co., Inc.
Keystone Aniline & Chemical Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Keystone Chemical Co.
Kliegman Bros., Inc.
Kohnstamm, H., & Co., Inc.
Lewis National Corp.
Lustrol Drycleaning Products Co.
Merchants Chemical Co., Inc.
Merson Products Co.
National Cleaners Chemical Mfg. Co.
North American Dye Corp.
Nu-Pro Mfg. Co.
Package Chemical Co., Inc.
Patek & Co.
Riverside Mfg. Co.
Slater-Robbins Co., Inc.
Speare Co.
Spix Products Co.
Stadham Co., Inc.
Stauffer Chemical Co.
Stearns, George, Chemical & Mfg. Co.
Street, R. R., & Co., Inc.
Wilson, A. L., Chemical Co.

STRIPPING DEVICE, FLATWORK IRONER
See: Flatwork Ironer Stripping Device

STRONG SOAP FORMULA
See: Soaps, Drycleaning

STRONG SOAP TEST KIT
Adrian Research & Chemical Co., Inc.
Allen & Vickers, Inc.
Benda Products, Inc.
Caled Products Co., Inc.
Dixo Co.
Drew, E. F., & Co., Inc.
Lustrol Drycleaning Products Co.
National Cleaners Chemical Mfg. Co.
Nu-Pro Mfg. Co.
Riverside Mfg. Co.
Street, R. R., & Co., Inc.

SUEDE CLEANING
See: Leather and Suede Cleaning

SUEDE DRESSINGS
See: Dressings, Suede

SUEDE SOAPS
See: Soaps, Suede

SULFATED ALCOHOL
American Alcolac Corp.
Caled Products Co., Inc.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
General Dyestuff Corp.
Keystone Aniline & Chemical Co.
Kohnstamm, H., & Co., Inc.
Procter & Gamble Distributing Co.

SULPHONATED OILS
Apex Chemical Co., Inc.
Arnold-Hoffman & Co., Inc.
Drew, E. F., & Co., Inc.
General Aniline & Film Corp., Special Products Sales Div.
General Dyestuff Co.
Kohnstamm, H., & Co., Inc.
Standard Soap Co., Div. Concord Chemical Co., Inc.
Theobald Industries
Universal Solvent Co.

SUPERHEATERS
Besler Corp.
Bros, Wm., Boiler & Mfg. Co.
Carver, Tom, Inc.
Keeler, E., Co.
Pantex Mfg. Corp.

SUPPORTS, COLLAR
See: Collar Supports

SURFACE CLOTH
See: Cloth, Surface

SUSPENDER PINS
See: Pins

SWEATER BLOCKING MACHINE
Blok-Rite Mfg. Co.
Lynch, John P., Co.

SWEETENING AND PURIFYING AGENTS, CHARGED SYSTEM
Dicalite Div., Great Lakes Carbon Corp.
Emery Industries, Inc., Sanitone Div.
International Minerals & Chemicals Corp.
Johns-Manville
Salomon, L. A., & Bro.

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North Wales, Penna.

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Dicalite Div., Great Lakes Carbon Corp.
Dixo Co.
Filtrol Corp.
International Minerals & Chemicals Corp.
Johns-Manville
Lustrol Drycleaning Products Co.
Salomon, L. A., & Bro.
Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.

SWING JOINTS
See: Joints, Revolving and Swing

SWITCHES, FLOAT-OPERATED
Kisco Boiler & Engineering Co.
McDonnell & Miller, Inc.
Norman Control Co.
Schaub, Fred H., Engineering Co., Inc.

SWITCHES, SAFETY, ELECTRIC
Cutler-Hammer, Inc.
General Electric Co.
Photoswitch, Inc.

SWITCHES, TIME
General Control Co.
General Electric Co.
Norman Control Co.
Perfex Corp.
Photoswitch, Inc.
Tork Clock Co., Inc.
Walser Automatic Timer Corp.

SWITCH GEARS, ELECTRIC
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Adell Chemical Co.
Adrian Research & Chemical Co., Inc.
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Armour & Co., Industrial Soap Div.
Atlas Powder Co., Industrial Chemicals Dept.
Benda Products, Inc.
Caled Products Co., Inc.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
Carlton Chemical Co., Inc.
Colgate-Palmolive Co.
Davies-Young Soap Co.
Diamond Alkali Co.
Diamond Chemical Co., Inc.
Dixo Co.
Drew, E. F., & Co., Inc.
DuPont de Nemours, E. I., & Co., Inc.
Fumol Corp.
General Aniline & Film Corp., Special Products Sales Div.
General Dyestuff Corp.
Gliss'n Products Co., Inc.
Hood Chemical Co., Inc.
Hope Chemical Corp.
Kamen Soap Products Co., Inc.
Kennedy Products Co.
Keystone Aniline & Chemical Co.
Keystone Chemical Co.
Kohnstamm, H., & Co., Inc.
Los Angeles Soap Co.
Lustrol Drycleaning Products Co.
Marshall Co.
Merson Products Co.
Multi-Clean Products, Inc.
National Aniline Div., Allied Chemical Dye Corp.
National Cleaners Chemical Mfg. Co.
North Coast Chemical & Soap Works
Nu-Pro Mfg. Co.
Patek & Co.
Pennsylvania Salt Mfg. Co.
Procter & Gamble Distributing Co.
Riverside Mfg. Co.
Speedlite Chemicals Co.
Stadham Co., Inc.
Stamford Chemical Co.
Standard Soap Co., Div Concord Chemical Co., Inc.
Street, R. R., & Co., Inc.
Swift & Co., Industrial Soap Dept.
Thomson Chemical Co.
Trio Chemical Works, Inc.
Universal Solvent Co.
Van Chemical Co.
Warco Laboratories
Wyandotte Chemicals Corp., J. B. Ford Div.

SYNTHETIC DRYCLEANING UNITS
See: Drycleaning Systems, Synthetic Solvent

SYNTHETIC SOLVENTS
See: Solvent, Chlorinated (Synthetic)

SYSTEMS, LUBRICATING
See: Lubricating Systems

TABLES, DRAPERY AND BLANKET FINISHING
See: Steam-Air Finishers, Drapery and Blanket

TABLES, FOLDING
See: Folding Tables

TABLES, FUR VENTING (VENTED)
See: Fur Cleaning Tables, Vented

TABLES, IRONING
See: Ironing Boards and Tables

TABLES, MARKING
See: Marking Tables

TABLES, PRESSING
See: Pressing Boards, Drycleaning

TABLES, SHIRT FOLDING
See: Shirt-Folding Boards

TABLES, SORTING
See: Sorting Tables

TABLES, SPOTTING
See: Spotting Boards and Tables

TABLES, STARCHING
See: Starching Tables

TABLES, STEAM
See: Steam Tables

TABLES, STEEL
Angle Steel, Inc.
Berger Mfg. Div., Republic Steel Corp.
Bernard-Franklin Co., Inc.
Eastern Cyclone Conveyor Systems, Inc.
National Marking Machine Co.
Norman Control Co.
Reliable Machine Works, Inc.
Remington Rand, Inc.
Rosenthal Mfg. Co.

TABLES, WETCLEANING
See: Wetcleaning Tables

TABLES, WOOD
Purkett Mfg. Co.
Reliable Machine Works, Inc.
Stein, Lawrence M., Co.

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

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Bristol Co.
Eclipse-Pioneer Div., Bendix Aviation Corp.
General Electric Co.
Ideal Industries, Inc.
Reliance Electric & Engineering Co.
Stewart-Warner Corp. Alemite Corp.
Weston Electrical Instrument Corp.

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Hub Printing Services
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Stry-Lenkoff Co.
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Bonn, F. H., Co.
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Fleischer Mills, Inc.
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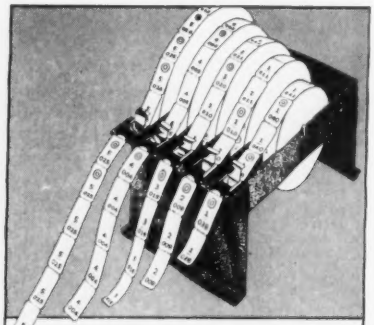

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Wendling Standard Forms
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See: Sewing Machines

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Lakewood Manufacturing Co.
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Patterson-Kelley Co., Inc.
U. S. Rubber Co.

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Whitlock Mfg. Co.

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Bros, Wm., Boiler & Mfg. Co.
Brownell Co.
Butler Mfg. Co.
Dixon Boiler Works

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Eastern Cyclone Conveyor Systems, Inc.
Gabriel Boiler & Fabrication Co.
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Graves & Marshall Co.
Hamilton Copper & Brass Works
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See: Water-Repellent Dip Tanks

TANKS, WOOD

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TANNIN STAIN REMOVERS

See: Stain Removers

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TAPE, GUMMED

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Gronauer, M. H., Co.
Gummed Tape & Devices Co.
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Nashua Corp., Sure-Hold Div.
Rosenthal Paper Co.
Spear Box Co., Inc.
West Side Corp.
Wormstead, Smith & Loomis, Inc.

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Egan Cotton Mills
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Patek & Co.
Pittsburgh Waterproof Co.
Revolite Div., Raybestos-Manhattan, Inc.
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Tingue, Brown & Co.
Whitehouse Nylon Products
Wick Narrow Fabric Co.
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Fleischer Mills, Inc.
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National Marking Machine Co.
Nicholson, Wm. J., Laboratories
Pittsburgh Tag Co.
Pre-Marked Strip Tag Co.
Textile Marking Machine Co., Inc.
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See: Mending, Patching Material

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Rosenthal Paper Co.
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Rosenthal Paper Co.
Spear Box Co., Inc.
Time Savers, Inc.

TEMPERATURE CONTROLS

See: Controls and Regulators, Temperature

TEMPERATURE GAUGES

See: Gauges, Temperature

TEMPERATURE RECORDERS

See: Recorders, Temperature

TEMPERATURE REGULATORS

See: Controls and Regulators (under specific headings)

TEMPERATURE-TIME REGULATORS

See: Controls and Regulators (under specific headings)

TENSILE-STRENGTH TESTERS

See: Testers, Tensile-Strength

TEST CONTROLS, FEED-WATER

See: Controls and Regulators (under specific headings)

TEST EQUIPMENT, BOILER WATER CONDITIONING

See: Boiler Water Treatment

TEST EQUIPMENT, WATER TREATMENT CONTROL

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Elgin Softener Corp.
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Strong, Carlisle & Hammond Co.
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Graver Tank & Mfg. Co.
Hagan Corp.
National Chemical Sales Co., Laboratory, Inc.

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Graver Tank & Mfg. Co.

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Diamond Alkali Co.
Elgin Softener Corp.
Solvay Process Div., Allied Chemical & Dye Corp.
Taylor, W. A., & Co.

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See: Fatty-Acid Test Kit, Strong-Soap Test Kit

TEST KITS, pH CONTROL

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Lewis National Corp.
National Chemical Sales Co., Inc.
Speedlite Chemicals Co.
Strong, Carlisle & Hammond Co.
Taylor, W. A., & Co.

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Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.

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WASH WHEEL
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FOXBORO, MASS.

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Powers Regulator Co.
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Weston Electrical Instrument Corp.

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Defender Instrument & Regulator Co.
Electric Auto-Lite Co., Instrument & Gauge Div.
Foxboro Co.
Mason-Neilan Regulator Co.
Minneapolis-Honeywell Regulator Co.
Powers Regulator Co.
U. S. Gauge Div., American Machine & Metals Inc.
Weston Electrical Instrument Corp.

THERMOSTATIC TRAPS

See: Traps, Thermostatic

THERMOSTATIC VALVES

See: Valves, Thermostatic

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Hemingway & Bartlett Mfg. Co.
Myer, Henry, Thread Mfg. Co.
Whitehouse Nylon Products

THREADERS, PIPE

See: Pipe Cutters and Threaders

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Labor Miser Co.

THRUST BEARINGS

See: Bearings, Thrust

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

TICKINGS
Burcott Mills
Freund, Freund & Co.
Manitowoc Cotton Goods Mfg. Co.
Tingue, Brown & Co.
Zuckerberg Co.

TIE FORMS
Great Eastern Paper Converters, Inc.
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TIME CONTROLS
See: Controls and Regulators, Time

TIME INDICATORS
See: Indicators, Time

TIME METERS
See: Meters, Time

TIME RECORDERS
See: Recorders, Time

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Cissell, W. M., Mfg. Co., Inc.
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Cutler-Hammer, Inc.
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Norman Control Co.
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TIMERS, WASHER
See: Washer Timers and Controls

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Bildwell Manufacturers
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Norman Control Co.
Rosenthal Mfg. Co.
Zenith Electric Co.

TIME SWITCHES
See: Switches, Time

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Keystone Aniline & Chemical Co.
Merson Products Co.
Patek & Co.

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Ambassador Continuous Towel Cabinet Co.
Steiner Sales Co.

TOWEL COUNTERS
See: Counters, Automatic

TOWEL REPLACEMENTS
See: Replacements, Sheets, Pillowcases, etc.

TOWELS
American Associated Cos.
Best Textile Co.
Bimberg, Ben, & Co., Inc.
Bostwick-Batterson Co.
Burcott Mills
Cole Mills, Inc.
Steiner Sales Co.
Wood, George, Sons & Co.
Zuckerberg Co.

TRANSMISSION, CHAIN
Link-Belt Co.

TRANSMISSIONS, VARIABLE SPEED
American Blower Corp., Div. American-Standard
Link-Belt Co.
Stephens & Adamson Mfg. Co.

TRAPS, AIR
See: Air Traps

TRAPS, BOILER FEED
Acker Corp.
Johnson Corp.
Keckley, O. C., Co.
Lakewood Manufacturing Co.
Morehead Mfg. Co.
Schaub, Fred H., Engineering Co.
Sterling, Inc.
Sterling Engineering & Mfg. Corp., Templeton Mfg. Co.
Trane Co.
Webster, Warren, & Co.
Wright-Austin Co.

TRAPS, DRAIN
Anderson, V. D., Co., Div. International Basic Economy Corp.
Butler Mfg. Co.
Clark Mfg. Co.
Keckley, O. C., Co.
Lakewood Manufacturing Co.
Marsh, Jas. P., Corp.
Sarco Co., Inc.
Sterling Engineering & Mfg. Corp., Templeton Mfg. Co.
Strong, Carlisle & Hammond Co.
Trane Co.
Webster, Warren, & Co.
Wright-Austin Co.

TRAPS, FLOAT
Acker Corp.
Anderson, V. D., Co., Div. International Basic Economy Corp.
Clark Mfg. Co.
Kaye & MacDonald, Inc.
Keckley, O. C., Co.
Marsh, Jas. P., Corp.
Nicholson, W. H., & Co.
Rockwell, W. S., Co.
Sarco Co., Inc.
Sterling, Inc.
Sterling Engineering & Mfg. Corp., Templeton Mfg. Co.
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Clark Mfg. Co.
Keckley, O. C., Co.
Lakewood Manufacturing Co.
Morehead Mfg. Co.
Sterling Engineering & Mfg. Corp., Templeton Mfg. Co.
Strong, Carlisle & Hammond Co.
Trane Co.
Wright-Austin Co.

TRAPS, RETURN
Acker Corp.
Anderson, V. D., Co., Div. International Basic Economy Corp.
Johnson Corp.
Keckley, O. C., Co.
Lakewood Manufacturing Co.
Marsh, Jas. P., Corp.
Sarco Co., Inc.
Sterling, Inc.
Sterling Engineering & Mfg. Corp., Templeton Mfg. Co.
Strong, Carlisle & Hammond Co.
Trane Co.
Webster, Warren, & Co.
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TRAPS, STEAM
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American District Steam Co., Inc.
Anderson, V. D., Co., Div. International Basic Economy Corp.
Armstrong Machine Works
Bowser, Inc.
Clark Mfg. Co.
Cochrane Corp.
Coe Mfg. Co.
Crane Co.
Kaye & MacDonald, Inc.
Keckley, O. C., Co.
Lakewood Manufacturing Co.
Marsh, Jas. P., Corp.
Morehead Mfg. Co.
Nicholson, W. H., & Co.
Perfecting Service Co.
Powers Regulator Co.
Rockwell, W. S., Co.
Sarco Co., Inc.

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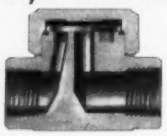
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Squires, C. E., Co.
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Nicholson, W. H., & Co.
Powers Regulator Co.
Sarco Co., Inc.
Schaub, Fred H., Engineering Co.
Sterling, Inc.
Strong, Carlisle & Hammond Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Trane Co.
Webster, Warren, & Co.
Wright-Austin Co.

TRAPS, VACUUM

Acker Corp.
Butler Mfg. Co.
Clark Mfg. Co.
Keckley, O. C., Co.
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Mitchell, J. B., Co.
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Sterling, Inc.
Sterling Engineering & Mfg. Corp., Templeton Mfg. Co.
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Wright-Austin Co.
Western Laundry Machinery Co.

TRAPS, WASHER

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Butler Mfg. Co.
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See: Pin-Tray Cabinets

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Detrex Chemical Industries, Inc.
Dow Chemical Co.
DuPont de Nemours, E. I., & Co., Inc.

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General Chemical Div., Allied Chemical & Dye Corp.
Maas, A. R., Chemical Co.
Mallinckrodt Chemical Works
Sergeant, E. M., Pulp & Chemical Co., Inc.

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Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
Conco Engineering Works, Div. H. D. Conkey & Co.
Link-Belt Co.
Richards-Wilcox Mfg. Co.
Rosenthal Mfg. Co.
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Time Savers, Inc.
White Machine Co., Inc.

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Herman Body Co.
Linn Coach & Truck Div., Great American Industries, Inc.
Metropolitan Body Co.
Montpelier Mfg. Co.
Olson, J. B. E., Corp.
Park'N Clean, Inc.
Universal Sales, Inc.
Utility Truck Distributors, Inc.

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See: Wheels, Casters (Truck, etc.)

TRUCK DOLLIES

See: Dollies

TRUCK PAINT

See: Paint

TRUCK RECORDERS

See: Recorders, Truck

TRUCK TIRES

See: Tires

TRUCK TUBS

See: Tubs, Truck

TRUCKS, INDUSTRIAL

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Bernard-Franklin Co., Inc.
Bond Foundry & Machine Co.
Buda Co.
Colson Corp.
Daniels, C. R., Inc.
Fairbanks Co.
Hamilton Caster & Mfg. Co.
Howe Scale Co.
Kentucky Box & Truck Co.
Lane, W. T., & Bros., Inc.
Leebaw Mfg. Co.
Lewis, G. B., Co.
Lewis-Shephard Products, Inc.
McElmoyl, W. J., & Co.
Market Forge Co.
Meese, Inc.
Menasha Wood Split Pulley Co.
Morse Mfg. Co.
Nutting Truck & Caster Co.
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Divco Corp.
Dodge Div., Chrysler Corp.
Ford Motor Co.
GMC Truck & Coach Div., General Motors Corp.
International Harvester Co.
Linn Coach & Truck Div., Great American Industries, Inc.
Mack Trucks, Inc.
Marmon-Herrington Co., Inc.
Reo Motors, Inc.
Studebaker-Packard Corp.
White Motor Co.

TRUCKS, MOTOR, LEASING

National Truck Leasing System

TRUCKS, SHIRT BASKET

See: Shirt Carriages

TRY-COCKS

Crane Co.
Lunkenheimer Co.
Wright-Austin Co.

TUBES, BOILER

See: Boiler Tubes

TUBES, WRAPPING

See: Wrapping Tubes, Flat Goods

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Chase Brass & Copper Co.
Revere Copper & Brass, Inc.

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American Brass Co., American Metal Hose Div.
Eclipse-Pioneer Div., Bendix Aviation Corp.
Flexonics Corp.
Johnson Metal Hose, Inc.
Packless Metal Hose, Inc.
Ronaflex Tubing Co., Inc.

TUBING, SEAMLESS, MONEL NICKEL AND NICKEL ALLOY

Bridgeport Brass Co.
Eclipse-Pioneer Div., Bendix Aviation Corp.
Haynes Stellite Co., Unit of Union Carbide & Carbon Corp.
International Nickel Co., Inc.
Revere Copper & Brass, Inc.

TUBING, SEAMLESS STEEL

Eclipse-Pioneer Div., Bendix Aviation Corp.
Revere Copper & Brass, Inc.
Timken Roller Bearing Co.

TUBING, STAINLESS STEEL

Allegheny Ludlum Steel Corp.
Berger Mfg. Div., Republic Steel Corp.
Crucible Steel Co. of America
Eclipse-Pioneer Div., Bendix Aviation Corp.
Flexonics Corp.
Republic Steel Corp.
Timken Roller Bearing Co.
Trent Tube Co.

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Rochester Can Co.

TUBS, SCRUB

Bishop David Freeman Co.
Hall, Amos H., & Sons
Virginia Greenstone Co., Inc.
White Machine Co., Inc.

TUBS, STARCH

Bishop David Freeman Co.
Hall, Amos H., & Sons

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For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

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American Laundry Machinery Co.
Virginia Greenstone Co., Inc.
White Machine Co., Inc.

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Gross Machinery Co., Inc.
Hammond Laundry-Cleaning Machinery Co.
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Huebsch Mfg. Co.
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See-O-Matic Corp.
Shields Engineering & Mfg. Co.
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U. S. Hoffman Machinery Corp.
Vic Cleaning Machine Co.
Western Laundry Machinery Co.

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Ellis Drier Co.
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TURBINE GOVERNORS

See: Governors, Turbine

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See: Emblems

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See: Extractors, Mechanical Unloading

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See: Washers, Unloading

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VACUUM CLEANERS, RUG AND CARPET

See: Rug and Carpet Cleaning Equipment

VACUUM PUMPS

See: Pumps, Vacuum

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

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See: Pumps, Vacuum, Steam-Heating

VACUUM RECORDERS

See: Recorders, Vacuum

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Sterling, Inc.
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Sterling, Inc.
Trane Co.
United Brass Works
Walworth Co.

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McDonnell & Miller, Inc.
Mason-Neilan Regulator Co.
Norman Control Co.
Rockwell, W. S., Co.
Sarco Co., Inc.
Sterling, Inc.
Trane Co.
Watts Regulator Co.
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Fairbanks Co.
Lunkenheimer Co.
McDonnell & Miller, Inc.
National Chemical Sales, Inc.
Ohio Injector Co.
Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.
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Edward Valves, Inc.
Golden-Anderson Valve Specialty Co.
Keckley, O. C., Co.
Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.
Trane Co.

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Burd Mfg. Co.
Watts Regulator Co.

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Bowser, Inc.
Cash, A. W., Valve Mfg. Corp.
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Cochrane Corp.
Crane Co.
Edward Valves, Inc.
Fairbanks Co.
Lunkenheimer Co.
New York Pressing Machinery Corp.
Ohio Injector Co.
Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.
Sterling, Inc.
Strong, Carlisle & Hammond Co.
United Brass Works
Walworth Co.

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Le Roi Co., Subsidiary Westinghouse Air Brake Co.
Lunkenheimer Co.
Ohio Injector Co.
Walworth Co.

VALVES, CONTINUOUS BOILER BLOWDOWN

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Kaye & MacDonald, Inc.
Lunkenheimer Co.
Strong, Carlisle & Hammond Co.

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Lunkenheimer Co.
Ohio Injector Co.
Rockwell, W. S., Co.
U. S. Stoneware Co.
Walworth Co.

VALVES, ENGINE

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Walworth Co.

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Defender Instrument & Regulator Co.
D'Este Div., Kaye & MacDonald, Inc.
Golden-Anderson Valve Specialty Co.
Keckley, O. C., Co.
Klipfel Mfg. Co.
McDonnell & Miller, Inc.
Schaub, Fred H., Engineering Co.
Sterling, Inc.
Watts Regulator Co.
Western Laundry Machinery Co.

VALVES, GATE

Chace Valve Div., American Laundry Machinery Co.
Crane Co.
Edward Valves, Inc.
Fairbanks Co.
Lunkenheimer Co.
Ohio Injector Co.
Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.
Walworth Co.
Western Laundry Machinery Co.

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Crane Co.
Edward Valves, Inc.
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Lunkenheimer Co.
Ohio Injector Co.
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Sterling, Inc.
Trane Co.
United Brass Works
Walworth Co.
Western Laundry Machinery Co.

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Keckley, O. C., Co.
McDonnell & Miller, Inc.
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VALVES, MOTOR-OPERATED

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Bristol Co.
Cochrane Corp.
Crane Co.
Cutler-Hammer, Inc.
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Edward Valves, Inc.
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Klipfel Mfg. Co.
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Minneapolis-Honeywell Regulator Co.
Ohio Injector Co.
Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.
Rockwell, W. S., Co.
Sarco Co., Inc.
Schaub, Fred H., Engineering Co.
Walworth Co.

VALVES, PRESSURE AND REDUCING

American District Steam Co., Inc.
Cash, A. W., Valve Mfg. Corp.
Clark Mfg. Co.
Cochrane Corp.
Davis Regulator Co.
Defender Instrument & Regulator Co.
Eclipse Fuel Engineering Co.
Eclipse-Pioneer Div., Bendix Aviation Corp.
Golden-Anderson Valve Specialty Co.
Hammel-Dahl Co.
Kaye & MacDonald, Inc.
Keckley, O. C., Co.
Klipfel Mfg. Co.
Leslie Co.
Marsh, Jas. P., Corp.
Mason-Neilan Regulator Co.
Powers Regulator Co.

(Continued on next page)

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For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Valves, Pressure and Reducing *(Continued)*

Republic Flow Meters Co.
Sarco Co., Inc.
Schaub, Fred H., Engineering Co.
Strong, Carlisle & Hammond Co.
Trane Co.
Watts Regulator Co.

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Cochrane Corp.
Crane Co.
Davis Regulator Co.
Defender Instrument & Regulator Co.
Eclipse Fuel Engineering Co.
Eclipse-Pioneer Div., Bendix Aviation Corp.
Golden-Anderson Valve Specialty Co.
Hammel-Dahl Co.
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Keckley, O. C., Co.
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Leslie Co.
Lunkenheimer Co.
Mason-Neilan Regulator Co.
Powers Regulator Co.
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Watts Regulator Co.
Westinghouse Air Brake Co., Industrial Products Div.

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Crane Co.
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Golden-Anderson Valve Specialty Co.
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Klipfel Mfg. Co.
Kunkle Valve Co.
Lunkenheimer Co.
McDonnell & Miller, Inc.
Taco Heaters, Inc.
Trane Co.
Watts Regulator Co.

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Walworth Co.
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Webster, Warren, & Co.
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Sterling, Inc.
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Norman Control Co.
Zephyr Laundry Machinery Co.

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Keckley, O. C., Co.
Klipfel Mfg. Co.
Leslie Co.
Lunkenheimer Co.
McDonnell & Miller, Inc.
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Mason-Neilan Regulator Co.
Minneapolis-Honeywell Regulator Co.
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"V" DRIVE BELTING

See: Belting, "V" Drive

VELVET PRESS BOARDS

See: Press Boards

VELVET STEAMERS

See: Steamers, Velvet

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See: Furnace Walls

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See: Timers, Washer

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Miller Laundry Machinery Co.
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Braun, G. A., Inc.
Butler Mfg. Co.
Cummings-Landau Laundry Machinery Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Fletcher Works, Inc.
Hammond Laundry-Cleaning Machinery Co.
Manitowoc Engineering Corp.
Mercury Cleaning Systems, Inc.
Mitchell, J. B., Co.
Pantex Mfg. Corp.
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U. S. Hoffman Machinery Co.
Vic Cleaning Machine Co.
Washex Machinery Corp.
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Speedy Washer Mfg. Co.
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Telecoin Corp.
Washex Machinery Corp.
Western Laundry Machinery Co.

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(See our ad on page 101)

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Apex Electrical Mfg. Co.
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Braun, G. A., Inc.
Chicago Dryer Co.
Cook Machinery Co., Inc.
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Forse Corp.
Glover, Bill, Inc.
Hammond Laundry-Cleaning Machinery Co.
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Super Laundry Machinery Co.
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Troy Laundry Machinery Div., American Machine & Metals, Inc.
U. S.Hoffman Machinery Corp.
Washer Dryer Mfg. Corp.

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Chicago Dryer Co.
Cummings-Landau Laundry Machinery Co., Inc.
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Jefferson Wood-Working Co.
Miller Laundry Machinery Co.
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Prosperity Co., Inc.
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Speed Queen Corp., Ironer Div.
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Super Laundry Machinery Co.
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Keystone Laundry Machinery Co.
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Clothes-A-Clean Mfg. Corp.
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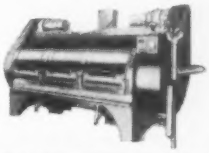
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NEED NO MAINTENANCE
. . . merely routine lubrication.
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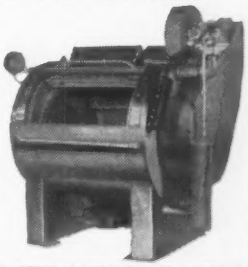
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For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

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Huebsch Mfg. Co.
Illinois Laundry Machinery Mfg. Co.
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Jensen Mfg. Co.
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See: Compounds, Washing

WASHROOM DETERGENTS

See: Soaps, Laundry

WASHROOM CONVEYORS AND LOADERS

See: Conveyors, Washroom

WASH-SUIT PRESSES

See: Presses, Wash-Suit

WASHWHEEL RECORDERS

See: Recorders, Washwheel

WASHWHEEL THERMOMETERS

See: Thermometers (under specific headings)

WASHWHEEL VALVES

See: Valves, Washwheel

WATCHMAN'S CLOCKS

See: Clocks, Watchman's

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See: Alarms, High and Low Water

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Permutit Co.
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WATER COLUMNS

See: Columns, Water

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Graver Tank & Mfg. Co.
Hammond Laundry-Cleaning Machinery Co.
Hungerford & Terry, Inc.
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For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Monarch Engineering Co.
Oshkosh Filter & Softener Co.
Permutit Co.
Philadelphia Quartz Co.
Uniflow Mfg. Co.
Zero Water Softener Mfg. Co.

WATER COOLERS

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WATER DISTILLING EVAPORATORS

See: Evaporators, Water Distilling

WATER FEED SYSTEMS

See: Boiler Feed Systems

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WATER GAUGES

See: Gauges, Water

WATER HEATERS

See: Heaters, Water

WATER LEVEL INDICATORS

See: Indicators, Water Level

WATER METERS

See: Meters, Water

WATER PRESSURE VALVES

See: Valves, Water Pressure

WATERPROOF LEATHER BELTING

See: Belting, Waterproof Leather

WATER-REPELLENT DIP TANKS

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Miller Laundry Machinery Co.
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Bruner Corp.
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Oakite Products, Inc.
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Zero Water Softener Mfg. Co.

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Zero Water Softener Mfg. Co.

WATER SOLVENT STILLS

See: Stills

WATER STORAGE HEATERS

See: Heaters, Water Storage

WATER SUPPLY PUMPS

See: Pumps, Water Supply

WATER SYSTEMS, HOT

See: Hot Water Systems

WATER TESTERS

See: Testers, Water

WATER TREATMENT, BOILER

See: Boiler Water Treatment

WATER TREATMENT CONTROL TEST EQUIPMENT

See: Water Analysis Equipment

WATER TREATMENT EQUIPMENT

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Lewis National Corp.
Midland Paint & Varnish Co.
Nameo Chemical Corp.
Pittsburgh Waterproof Co.
Speare Co.

(Continued on next page)

BOLD TYPE LISTINGS

Indicates display advertisers. For more information about their products, see the index of advertisers opposite the inside back cover for page numbers.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Wax and Wax Products *(Continued)*

Stadham Co., Inc.
Strohmeyer & Arpe Co.
Tingue, Brown & Co.

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See: *Emulsions, Wax*

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See: Presses, Wearing Apparel

WEAVING
See: Reweaving

WETCLEANING BRUSHES
See: Brushes

WETCLEANING DETERGENTS SPECIAL
See: Detergents, Special Wetcleaning

WETCLEANING SOAPS
See: Soaps, Wetcleaning

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See: Washers, Laundry

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Atlas Powder Co., Industrial Chemicals Dept.
Benda Products, Inc.
Caled Products Co., Inc.
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Colgate-Palmolive Co.
Davies-Young Soap Co.
Diamond Alkali Co.
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See: Bags, Wetwash

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See: Paper, Wetwash

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See: Driers, Windwhip

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Chace Valve Div., American Laundry Machinery Co.
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See: Baskets, Wire

WIRE HANGERS
See: Hangers, Garment

WIRE STAPLES
See: Staples, Wire

WOOD BASKETS
See: Baskets, Wood

WOOD BOXES
See: Boxes, Wood

WOOD CYLINDERS
See: Washer Cylinders, Wood

WOOD FOLDING BOXES
See: Boxes, Wood

WOOD HAMPERS
See: Hampers

WOOD HAND TRUCKS
See: Trucks, Industrial

WOOD HANGERS
See: Hangers, Garment

WOOD PAINT
See: Paint

WOOD RACKS
See: Racks (under specific headings)

WOOD TABLES
See: Tables, Wood

WOOD TANKS
See: Tanks, Wood

WOOD TRUCKS
See: Trucks, Industrial

WOOD TUBS
See: Tubs, Wood

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See: Vats, Wood

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See: Washers, Drycleaning, Wood, or Washers, Laundry, Wood

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See: Uniforms, Cotton, Woolen, Worsted, etc.

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See: Driers, Woolen and Curtain

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See: Bleach

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See: Soaps, Silks and Woolens

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See: Belting, Woven

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See: Labels, Woven, Marking

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Kisco Boiler & Engineering Co.
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AB, sock tag, Boston Clip & Tag Co.
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ABC, payroll system, Todd Co., Inc.
AM, pocket pH meter, electrometric, Analytical Measurements, Inc.
ATC, controls and regulators, time switches, Automatic Temperature Control Co., Inc.
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ACCUMET, precision investment castings, Crucible Steel Co. of America
ACCUMETER, automatic centralized lubrication systems, Alemite Div., Stewart Warner Corp.
ACE, drycleaning tumblers, solvent reclaimers, Ace Cabinet Corp.
ACE, reweaving, Ace Weaving Service
ACE, stapler, staples, Ace Fastener Corp.
ACE, starch cookers, Hammond Laundry-Cleaning Machinery Co.
ACECO, drycleaning equipment, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
ACE OF HEARTS, red indelible ink, Boston Clip & Tag Co.
ACE OF SPADES, black indelible ink, Boston Clip & Tag Co.
ACETEX, sour, Hood Chemical Co., Inc.
ACETI SOUR, sour for drycleaners, Keever Starch Co.
ACIDOL, sour, Patek & Co.
ACID-SUDS, rug cleaning detergent for light colors, Certified Chemical & Equipment Co.
ACKER, return systems, traps, W. M. Acker Organization, Inc.
ACME, dyeing, Acme Dye House, Inc.
ACME, folding box, Rosenthal Paper Co.
ACME, laundry soap and builders, powder, Acme Soap Co.
ACME BRAND, hat chemical and bleach, Acme Hatters Supply Co.
ACME F.O.T., fuel treatment, Acme Industrial Compounds Corp.
ACME SCALE-OUT, boiler feed-water treatment, Acme Industrial Compounds Corp.
ACME SOOT STOP, soot remover, Acme Industrial Compounds Corp.
ACORN, round belting, Graton & Knight Co.
ACOUSTOLIGHT, acoustical paint, U. S. Gutta Percha Paint Co.
ACTICAR, odor-, taste-removal filter, Hungerford & Terry, Inc.
ACTIVATOR, laundry washing machines, General Electric Co.
AC TREATMENT, anti-corrosion water treatment, Elgin Softener Corp.
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ADAPT-O-MATIC, finishing machine, J. W. Steele & Co.
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ADCO, rubber cement, Adhesive Products Corp.
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ADCO SPRAY SPOTTER, spray spotter, Adco, Inc.
ADD-A-UNIT, curtain stretcher, Rosenthal Mfg. Co.
ADD-A-UNIT, shirt-sorting bins, Time Savers, Inc.
ADDRESSOGRAPH, addressing equipment, Addressograph-Multigraph Corp.
AD-DRI, bleach, Olin Mathieson Chemical Corp.
ADJUSTA-FORM, steam-air finisher, Wichita Precision Tool Co., Inc.
ADJUSTIT, adjustable garment hangers, Hopkins Equipment Co.
ADJUST-O-FEEDER, constant rate proportioning pump, Proportioneers, Inc.
ADJUSTO-SYNCHRON TIMER, automatic laundry timer, Unit Wash Corp.
ADRIAN, drycleaning soap, liquid and powder wetcleaning soap, powder rug cleaning soap, spotting and mothproofing agents, Adrian Research & Chemical Co., Inc.
ADSCO, expansion joints, steam traps, water heaters, American District Steam Co., Inc.
ADS-LIFE, nylon cover cloth, Whitehouse Nylon Products
ADVANCE AIRDRY TUMBLER, laundry and drycleaning tumbler, Driair Process Machinery Co.
ADVANCE LOWBOY, floor and rug maintenance machinery, Advance Floor Machine Co.
ADVANCE SPEEDWAY, floor and rug maintenance machinery and equipment, Advance Floor Machine Co.
ADVERTAG, advertising, instruction tags, Denney Tag Co.
A. E. PERFECT SPREAD, stokers, American Engineering Co.
AERO, double collar support, J. W. Steele & Co.
AERO DRAULIC, drycleaning press, U. S. Hoffman Machinery Corp.
AEROL, wheels and casters, Aerol Co., Inc.
AEROLSEAL, wheel, Aerol Co., Inc.
AERO-MAGNETTE, circuit breakers, Heinemann Electric Co.
AER-PAK, tumbler unit to eliminate lint and static, The Dyer Co.
AETNA FELT, woven and pressed-hair felt, Aetna Felt Co., Inc.
AFCO-LINK, rubber link entrance mats in colors, American Floor Products Co.
AID-SOL, solvent purifier, Adrian Research & Chemical Co.
AIRCON, continuous conditioning tumbler, American Laundry Machinery Co.
AIR CHIEF, truck tires, Mohawk Rubber Co.
AIRCRAFT, drying tumbler, American Laundry Machinery Co.
AIR DRY TUMBLER, laundry and drycleaning tumbler, Driair Process Machinery Co.
AIREX, anhydrous laundry builder, Speedlite Chemicals Co., Div. Patek & Co.
AIRFOAM, latex cushioning for press pads, Goodyear Tire & Rubber Co.
AIR-JET, flatwork folder, Troy Laundry Machinery Div., American Machine & Metals, Inc.
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AIRTEMP, air-conditioning equipment, Chrysler Corp., Airtemp Div.
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AIR-VAC, vacuuming system, Goldman Pressing Machine Corp.
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AIRWAY, cuff cleaner, Kirk's Leather Cleaners
AIRWAY, cylinderless laundry dryer, American Laundry Machinery Co.
AIRXPEL, traps, Wright-Austin Co.
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ALBA-VIS, general purpose oil, Adam Cook's Sons, Inc.
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ALBONE, hydrogen peroxide, E. I. du Pont de Nemours & Co., Inc.
ALBRA, brushes, brooms, Braun Brush Co.
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ALEMITE VERSATAL, spray equipment, Stewart-Warner Corp., Alemite Corp.
ALERT, boilers, heaters, tanks, Alert Boiler & Mfg. Co.
ALFCO, all types fire extinguishers, motorized firefighting apparatus, American-La France-Foamite Corp.
ALFCOSPRAY, nozzles, American-La France-Foamite Corp.
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ALGONQUIN, soap, Lewis National Corp.
ALIZARINE, aniline dyes, American Aniline Products, Inc.
ALKALATE, laundry detergent, Diamond Alkali Co.
ALKASOL COMBINATION, self-mixed soap detergent, Merson Products Co.
AL-KLOR, liquid drycleaning detergent, Davies-Young Soap Co.
ALKOLUBE, alkali, Washine National Sands, Inc.
ALKON, laundry breaks, George Stearns Chemical & Mfg. Co.
ALKOSOL, alkali soap builder, Carlton Chemical Co., Inc.
ALL COLER, bleach, Warco Laboratories
ALL-DAY, laundry marking tag, Boston Clip & Tag Co.
ALLEGHENY LUDLUM, stainless steel, Allegheny Ludlum Steel Corp.
ALLEN, electric steam generators, steam electric and electric irons, H. P. Cooper & Co.
ALLEN WALES, adding machines, National Cash Register Co.
ALLIED, promotional materials, Allied Printing & Stationery Co., Inc.
ALLIGATOR, belt fasteners, belt cutters, Flexible Steel Lacing Co.
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ALL IN ONE, zipper repair kit, spotting gun, press clamp, sleeve formers, auto rack, Newhouse Specialty Co., Inc.
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ALL-PURPOSE, starch, A. E. Staley Mfg. Co.
ALL-STEEL, scales, Triner Scale & Mfg. Co.
ALLWAY, trouser shaper, Huebsch Mfg. Co., Div. American Laundry Machinery Co.
ALLWEATHER, fire extinguishers, American-La France-Foamite Corp.
ALL WIRE, garment hangers, Star Service Hanger Div., L. A. Young Spring & Wire Corp.
ALMCON, automatic washing control, American Laundry Machinery Co.
ALPHA, oil pumps, Lunkenheimer Co.
ALRITE, pins, trays and tray cabinets, marking pins, Keyes-Davis Co.
ALROLENE 70, petroleum drycleaning detergent, Hope Chemical Co.
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ALROMINE, RU100, diaper and cotton softener, Hope Chemical Co.
ALROPEL, dry size and water repellents, Hope Chemical Co.
ALROSNE 31, synthetic detergent, Hope Chemical Co.
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ALROSOL, wetting agent and penetrant, Hope Chemical Co.
ALROWET, wetting agent, Hope Chemical Co.
ALSEN, oil cups, Lukenheimer Co.
ALTON, air washer type evaporative cooler, Alton Mfg. Co.
ALUMEX 50, 60, 70, high alumina firebrick, kiln liners, Mexico Refractories Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

ALUMINUM OILITE, bearings and parts, Chrysler Corp., Amplex Div.
ALVOR, oil control, Lunkenheimer Co.
AMACEL, acetate dyes, American Aniline Products, Inc.
AMAFORM, dyeing agent, American Aniline Products, Inc.
AMALIE, oils and greases, L. Sonneborn Sons, Inc.
AMANIL, dyestuffs, American Aniline Products, Inc.
AMAPRO UNION, aniline dyes, American Aniline Products, Inc.
AMAZON, washing powder, Swift & Co.
AMBASSADOR, continuous towel cabinet, Ambassador Continuous Cabinet Co.
AMBASSADOR, synthetic solvent drycleaning unit, Detrex Chemical Industries, Inc.
AMBER, all-metal sleeve board, sleeve form, sleeve press board, press clamp, steam iron stand, iron stand, iron rest, Amber Mfg. Co.
AMBER, neutral tallow soap, Procter & Gamble Distributing Co.
AMERICAINE, first aid for cuts, burns and bruises, Americaine, Inc.
AMBER METHOD, reweaving process, Amber School of Reweaving
AMERICAN, continuous towel cabinets, paper towel cabinets, Steiner Sales Co.
AMERICAN, curtain and blanket finishing equipment, American Laundry Machinery Co.
AMERICAN, drying and deodorizing cabinet, American Laundry Machinery Co.
AMERICAN, flatwork feeder and spreader, American Laundry Machinery Co.
AMERICAN, flexible metal hose, flexible metal tubing, American Brass Co., American Metal Hose Branch
AMERICAN, high-speed tumblers, American Laundry Machinery Co.
AMERICAN, laundry and drycleaning solid-curb extractors, American Laundry Machinery Co.
AMERICAN, men's dress and sport shirts, pajamas, American Shirt Co.
AMERICAN, paint and grease removing solvent, Adco, Inc.
AMERICAN, starch cookers, American Laundry Machinery Co.
AMERICAN, water meters, Buffalo Meter Co.
AMERICAN, wearing apparel, linen supply and other special-purpose press units, American Laundry Machinery Co.
AMERICAN AIRCRAFT, tumblers, American Laundry Machinery Co.
AMERICAN AUTOMATIC, drycleaning tumblers, temperature controls, American Laundry Machinery Co.
AMERICAN BEAUTY, electric flatirons, American Electrical Heater Co.
AMERICAN CASCADE, washers, American Laundry Machinery Co.
AMERICAN FORMATIC, shirt unit, American Laundry Machinery Co.
AMERICAN-LA FRANCE, fire extinguishers, motorized fire-fighting apparatus, American-La France-Foamite Corp.
AMERICAN MODEL "S," super and master ironers, American Laundry Machinery Co.
AMERICAN MUROZA, feather cleaning and sterilizing systems, American Laundry Machinery Co.
AMERICAN O. T., drycleaning extractor, American Laundry Machinery Co.
AMERICAN SUPER SPEED, tumblers, American Laundry Machinery Co.
AMERICAN SYSTEM, shirt conveyor and presses, American Laundry Machinery Co.
AMERICAN TYPE A and TYPE C, semi-automatic washer controls, American Laundry Machinery Co.
AMERICAN VISIBLE, hand numbering machine, American Numbering Machine Co.
AMERICAN ZONE-AIR, feather reconditioning unit, American Laundry Machinery Co.
AMERICAN ZONE-AIR, laundry and drycleaning tumblers, American Laundry Machinery Co.
AMES, boiler engines, etc., Ames Iron Works, Inc.
AMESTEAM, boiler, Ames Iron Works, Inc.
AMINOL, drycleaning detergent, Trico Chemical Div., Tri-State Equipment Co.
AMMOCIDE, laundry sterilizer, mildew preventative, Carlton Chemical Co., Inc.
AMMUM, wear-resistant metal for traps, valve parts, Strong, Carlisle & Hammond Co.
AMOREDTEX, extractor covers, Patek & Co.
AMPERE, canvas stitched belting, Victor Balata & Textile Belting Co.
AMSCO, high-flash Stoddard solvent, 140° F solvent, special naphtha, American Mineral Spirits Co.
AMYLIN, laundry starches, National Starch Products, Inc.
ANCHOR ALKALI, alkali cleanser, Solvent Process Div., Allied Chemical & Dye Corp.
ANDERSON, patented collar supports, Anderson Collar Support Co.
ANDERSON, pipe-line strainers, steam traps, V. D. Anderson Co.
ANDERSON EASY-LOCK, drapery protector, Anderson Specialty Mfg. Co.
ANGELICA, washable service apparel, Angelica Uniform Co.
ANHYDRO, spotting agent, A. L. Wilson Chemical Co.
ANOLITE, moisture dispersing agent for charged systems, R. R. Street & Co., Inc.
ANSUL, fire extinguishers, Ansul Chemical Co.
ANTHONY, oil burners, pipe-line strainers, valve, Anthony Co.
ANTHONY NEBULYTE, gas, gas-oil, oil burners, torches, Anthony Co.
ANTI-CRUSH, double collar supports, J. W. Steel & Co.
ANTI-HYDRO, leather belting, waterproof cement, Webb Belting & Supply Co.
ANTI-ROLL, checks rolling on flatwork ironers, H. Kohnstamm & Co., Inc.
ANTISEPTIC HUNTOLENE, germ controller, Huntington Laboratories
ANVIL-PUMICE, toilet soaps, Los Angeles Soap Co.
APACHE, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
APCO 125, deodorized, drycleaning solvent, Anderson-Prichard Oil Corp.
APCO 140, flash naphtha, Anderson-Prichard Oil Corp.
APCO-WATER SAVER, water regulator, Appliance Service Co.
APEX, automatic washer, Apex Electrical Mfg. Co.
APEX WASH-A-MATIC, 8-pound automatic laundry washer, Apex Rotarex Corp.
APPLEGATE, indelible ink (silver base), laundry marking pens, linen marking machine (hand, foot and motor power), Applegate Chemical Co.
APPLICET, powdered aluminum acetate, Arnold-Hoffman & Co., Inc.
AQUADOL, wet spotter and neutral lubricant, Stamford Chemical Co.
AQUA-ELECTRIC, water treatment equipment, Aqua Electric Scale Control, Inc.
AQUALINE, concentrated liquid wet cleaner, Lustrol Drycleaning Products, Div. Patek & Co.
AQUANOL, wire and cable, General Electric Co.
AQUASTEAM, pressing iron system, Automatic Steam Products Corp.
AQUAWAX, self-emulsifying lubricant wax, Concord Chemical Co.
ARABOL, starch, Arabol Mfg. Co.
ARBOGAST, system of condensate control, Southern Machinery Co.
ARBUTUS, soap, Minnesota Chemical Co.
ARCTIC, fire extinguishers, American-La France-Foamite Corp.
ARCTIC CRYSTAL, all-tallow soap and granulated flakes, Colgate-Palmolive Co.
ARCTIC SYNTEX, synthetic detergents, Colgate-Palmolive Co.
ARIDEX, renewable water repellent, E. I. du Pont de Nemours & Co., Inc.
ARIDZONE, synthetic zeolite water softener, Elgin Softener Corp.
ARISTOCRAT, safety pins, William Prym, Inc.
ARISTOCRAT, steel file cabinets, Remington Rand, Inc.
ARISTOCRAT, match book, Universal Match Corp.
ARK-VAK, leather belting, Philadelphia Belting Co.
ARLAC, alkali, soap builder, Wyandotte Chemicals Corp., J. B. Ford Co.
ARMA, marking machines, daily delivery tags, loop tags, dispenser tags, day tags, indelible ink, safety pins, Pittsburgh Tag Co.
ARMA-MATIC, staplers, stapling machines, Pittsburgh Tag Co.
ARMEN "98," all purpose spotter, Armen Chemicals, Inc.
ARMITE, anti-seize compound, thread lubricant, joint seal compound, gasket paste, Armite Laboratories.
ARMOFOS, sodium tripolyphosphate, anyhdrous, A. R. Mass Chemical Div., Victor Chemical Works
ARMORBELT, metal belt conveyor, M-H Standard Co.
ARMOR-TREDS, molded heavy duty rubber stair treads, American Floor Products Co.
ARMORTUBE, pneumatic armored tubing, Bailey Meter Co.
ARMOUR'S, 40% pure coconut liquid soap for rugs, Armour & Co., Industrial Soap Dept.
ARMOWAX, domestic hard wax, Armour & Co.
ARMSTRONG, humidifiers, strainers, traps, valves, Armstrong Machine Works
ARMS, 1270, nylon, wool press cloth, Arms Textile Mfg. Co.
ARRESTO-MOTH, mothproofing compound, Pennsylvania Salt Mfg. Co.
ARROW, sponge pads, Arrow Mfg. Co.
ARROW, staplers, staples, staple removers, gum tackers, Arrow Fastener Co., Inc.
ARROW, wood tanks, tubs, cylinders, outside shells, vats and washers, Arrow Tank Co., Inc.
ARROW LAUNDRO-PAD, laundry press pad, Arrow Mfg. Co.
ARROW LINE, hat renovating, manufacturing and blocking machinery, American Hatters Supplies, Inc.
ARROW LONG ARM, long-reach stapler, Arrow Fastener Co., Inc.
ARROW P22, hand stapler, Arrow Fastener Co., Inc.
ARSECO, washing compounds and specialties, alcoholic type anti-freeze, Riverside Chemical Co.
ARTIC CRYSTAL, soap, Colgate-Palmolive Co.
ARTIC-SYNTEX, deetrgent, Colgate-Palmolive Co.
ASBESTALL, blended nylon and asbestos press cloths, U. S. Rubber So., Textile Div.
ASBESTEX, asbestos covers, X. S. Smith, Inc.
ASBESTON, chest-type flatwork ironer cover, U. S. Rubber Co., Textile Div.
ASHVEYOR, pneumatic conveyor system, Brady Conveyors Corp.
ASSEMBLY ARC, fittings to facilitate assembly of garments, Time Savers, Inc.
ASSISTEX, concentrated drycleaning soap, Takamine Laboratory, Div. Miles Laboratories, Inc.
ATEX, latex cement, Adhesive Products Corp.
ATLANTIC, non-sour blue, Beach Soap Co.
ATLAS, extractor, Troy Laundry Machinery Div., American Machine & Metals, Inc.
ATLAS, hand-type tape sealing machine, Time Savers, Inc.
ATLAS, truck bodies, Atlas Body Co.
ATLAS FIRE RETARDANT, flameproof agent, H. Kohnstamm & Co., Inc.
ATLAS GRAVITY FEEDER RACK, for flatwork ironers, Atlas Steel Products, Inc.
ATLAS MOISTURE CONTROL, for control of moisture retention in laundry extractors, Atlas Steel Products, Inc.
ATLAS RUST SOUR, sour, H. Kohnstamm & Co., Inc.
ATOMIC, drycleaning systems, wet washers, Hammond Laundry-Cleaning Machinery Co.
ATOMOL, drycleaning filter soap with antiseptic and mothproofing, A. F. Wolke Co.
ATTASOL, colloidal clay, Attapulgus Clay Co.
ATTORIS, fur glaze and cleaning fluid, Bernard Sirotta Co.
AUTO-CYCLER, automatic cleaning washer-extractor, Washex Machinery Corp.
AUTO FEEDER, supply feeder, open end washer, Bill Glover, Inc.
AUTOGRAPHIC, registers, business forms, Autographic Register Co.
AUTO-LEVEL, boiler return system, valves, Spotswood Parker & Co.
AUTO-LITE, gauges, indicating and recording thermometers, Electric Auto-Lite Co.
AUTOMATIC, lubricators, Victor Lubricator Sales Co.
AUTOMATIC, spray gun, OlsonMark Corp.
AUTOMATIC PALLET LOADER, automatic stacking of cartons, Lamson Corp.
AUTO-PER, synthetic solvent drycleaning unit, Vic Cleaning Machine Co.
AUTOSET, a type of free-vane air-operated controller, Bristol Co.
AUTO TROL, automatic control-open end washer, Bill Glover, Inc.
AVAGLO 20, drycleaning soap, Allen & Vickers, Inc.
AXIAL-FLOW, exhaust fan, DeBothezat Fans Div., American Machine & Metals, Inc.
AXTEX, first quality, stiff mud firebrick, Mexico Refractories Co.
AZTEX, high heat duty firebrick, Mexico Refractories Co.

B

BCF, solvent cooler, Kewanee-Ross Corp.
B & G, conveyors, all types, and air-operated garment bagger, B & G Machinery Co., Inc.
B.N.B., collar support, clasp, loop, J. W. Steele & Co.
B. N. D., concentrated liquid drycleaning detergent, Brenda Products, Inc.
B. & W., boilers, Babcock & Wilcox Co.
B-X, bloodstain remover, John P. Lynch Co.
BABSOLV, spotter and lubricant, Slater-Robbins Co., Inc.
BABSTOD, concentrated drycleaning soap, Slater-Robbins Co., Inc.
BABTEX, lipstick and paint remover, Slater-Robbins Co., Inc.
BAB-ZYME, digester, Slater-Robbins Co., Inc.
BADER, pants stretcher, C. L. Bader Co., Inc.
BADER SOLVENT PURIFIER, process for cleaning solvent, C. L. Bader Co.
BADGER, break powder, Minnesota Chemical Co.
BADGER, liquid soap, Colgate-Palmolive Co.
BAFFLE-CRETE, first quality castable for baffle construction, Mexico Refractories Co.
BAG-IT, polyethylene garment bags, Luetzow Bag-It Machine Div., National Paper Band Co.
BAG N' NET, holder, Time Savers, Inc.
BAG-O-MATIC, combined bagger, invoice desk, bag storage rack, Bishop David Freeman Co.
BAG-O-TEER, garment bagger, Bishop David Freeman Co.
BAG-O-TERA, tear-pruf transparent plastic or paper bagging, Bishop David Freeman Co.
BALANCED DRIVE, washers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
BALSAM-WOOL, blanket insulation, Wood Conversion Co.
BAN, instant-acting deodorant, Lustrol Drycleaning Products, Div. Patek & Co.
BANNER, lubricator, Lunkenheimer Co.
BANNER BRAND, button, buckle, pinking, fluting, pleating, darning machines, Maxant Button & Supply Co.
BANTAM, autographic registers, Autographic Register Co.
BANTAM, laundry washer, Troy Laundry Div., American Machine & Metals, Inc.
BANTAM, net, Southern Mills, Inc.
"BANTAM" SHIRTMASTER, one-girl shirt unit, Forse Corp.
BARBER-COLMAN, electric door operators and controls, Barber-Colman Co.
BARCO, flexible steam, revolving and swing joints, Barco Mfg. Co.
BARCOL, overhead doors, Barber-Colman Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

BAR-KEY, positive identification system, Barker Mfg. Co.
BAR-MASTER, knitted nylon nets, X. S. Smith, Inc.
BARNEY, traps, Lakewood Mfg. Co.
BARRELED SUNLIGHT, enamels, paints, varnishes, Barreled Sunlight Paint Co.
BARRETT SPECIFICATION, roofing pitch and roofing felt, Barrett Div., Allied Chemical & Dye Corp.
BAR RUST, exterior and interior inhibitive paint for steel and pipe, Midland Paint & Varnish Co.
BASE CONCENTRATE, paint and grease remover, Lustrol Drycleaning Products, Div. Patek & Co.
BASE D. C. S., emulsifier, Adco, Inc.
BASEX, zeolite, Hungerford & Terry, Inc.
BASKE TRUCK, wire basket truck, Bishop David Freeman Co.
BEACHRITE, built soap, Beach Soap Co.
BEACON, bluing, Hood Chemical Co., Inc., Crescent Div.
BEATS-All, covers, nets, padding, Tingue, Brown & Co.
BEAUTY-TEX, textile sizing, Signal Chemical Mfg. Co.
BEAUTY WHITE, soap, Colgate-Palmolive Co.
BEAVER, pipe and bolt cutting and threading hand tools and machines, Beaver Pipe Tools, Inc.
BEAVER LUSTER, fur luster, Nycco Products Co.
BEEHIVE, spring padding, Western Laundry Press Co.
BEL-JO, starch, A. E. Staley Mfg. Co.
BELLMASTER, mechanical pipe joint for cast-iron pipe, Dresser Mfg. Div., Dresser Industries, Inc.
BELT-ZIP, belt hanger, Para-Lux Products Co.
BENDA, drycleaning soap, Benda Products, Inc.
BENDASIZE, wet sizing, Benda Products, Inc.
BENDASIZE DRY, permanent dry sizing, Benda Products, Inc.
BENDA SOLV, oil paint and grease remover, Benda Products, Inc.
BENDA SPEED, heavy spotter for oil, paint and grease, Benda Products, Inc.
BENDA-ZYME, digester, Benda Products, Inc.
BENDIX, seamless flexible metal hose, Eclipse-Pioneer Div., Bendix Aviation Corp.
BENDIX WEC, washer, Bendix Commercial Laundry Div., Avco Mfg. Corp.
BEN HUR, built synthetic detergent powder, Colgate-Palmolive Co.
BENTEC, synthetic detergent, Wyandotte Chemicals Corp.
BENTON SOL-TEMP, solvent temperature control unit, Benton Bros.
BENZINE, paste drycleaning soap, Patek & Co.
BENZOCARDINOLE OXO, detergent, Apex Chemical Co., Inc.
BERGER, steel lockers, shelving, cabinets, bins, benches, desks and tables, Republic Steel Corp.
BERKSOL, drycleaning soap, Stadham Co., Inc.
BERKSTRIP, stripper, Stadham Co., Inc.
BERKSUDS, synthetic detergent, Stadham Co., Inc.
BERKZYME, spotter, Stadham Co., Inc.
BERLOU MOTHSPRAY, mothproofing agent, Berlou Mfg. Co.
BERSENE, water softener, Bersworth Chemical Co.
BERSENE BEADS, synthetic detergent, Stadham Co., Inc.
BERSONITE, built soaps, Stadham Co., Inc.
BESLER, steam generators, superheaters, Besler Corp.
BESTEEL, stainless steel flatwork ironer padding, Tingue, Brown & Co.
BESTEEL, straight pins, Fleischer Mills, Inc.
BEST FORMS, tag identification systems, Best Forms Co.
BESTAPE, nylon flatwork ironer tape, Tingue, Brown & Co.
BESTO, synthetic wetcleaning detergent, Nu-Pro Mfg. Co.
BESTOP, nylon press covers, Tingue, Brown & Co.
BESTOS, asbestos covers, padding, Tingue, Brown & Co.
BESTWAY, drycleaning soap, Dello Products Co.
BEST YET, cellophane ribbon, cotton twines, New York Twine Corp.
BIFURCATOR, duct fan, DeBothezat Fans Div., American Machine & Metals, Inc.
BIG BERTHA, laundry and drycleaning tumbler, Hoyt Mfg. Corp.
BIG BOY, automatic tape sealing machine, Time Savers, Inc.
BIG CHIEF, laundry nets, Southern Mills, Inc.
BIG CHIEF, truck tires, Mohawk Rubber Co.
BIG CHIEF, wood washers, Illinois Laundry Machinery Mfg. Co.
BIG FLO, filters, Butler Mfg. Co.
BIG FOUR, firebrick, Mexico Refractories Co.
BIG 4, stripper, Eaton Chemical & Dyestuff Co.
BIG HORN, bentonite clay, Wyotana Mining Co.
BIG HORN WYOMING, colloidal clay, Wyotana Mining Co.
BIG INCH, pressure-sensitive tape dispensers, Better Packages, Inc.
BIGMOUTH, shake-out tumbler, Purkett Mfg. Co.
BIG SAVAGE, high heat duty firebrick, Mexico Refractories Co.
BIG SAVAGE SUPER, firebrick, Mexico Refractories Co.
BILLBOARD, match book, Universal Match Corp.
BILLMYRE DRYSET, vacuum system, Lamson Corp.
BILVIS-X, detergent and soap builder, Warco Laboratories
BINKS, spray painting equipment, Binks Mfg. Co.
BIOPALS, germicidal detergents, General Dyestuff Corp.
BISHOP LIFETIME TRUCK TUBS, laundry truck tubs, laundry and drycleaning appliances and light production equipment, Bishop David Freeman Co.
BISONITE, plastic coating, Washine National Sands, Inc.
BIXLER, conveyor, National Marking Machine Co.
BLACK DIAMOND, roofing pitch and felt, Barrett Div., Allied Chemical & Dye Corp.
BLACK LINE, knitted padding, Minnesota Chemical Co.
BLACK MAGIC, pipe-sealing compound, gasket cement, Bowser, Inc.
BLACKMER, rotary hand and power pumps, Blackmer Pump Co.
BLANCH-STIK, stain remover, Keystone Aniline & Chemical Co., Inc.
BLANCO, all-fabric stripper, Keystone Aniline & Chemical Co., Inc.
BLENCO, rug cleaning sour, Blenco Co.
BLOK-RITE, sweater finishing process and machine, Blok-Rite Mfg. Co.
BLOOD BLASTER, blood stain remover, Ro-Wash
BLOOD-I-CATER, spot remover, W. F. Johnson Products Co.
BLOOD-MUV, stain remover, Package Chemical Co., Inc.
BLOOD-PLUS, spotting aid, Ink-O Products Co.
BLO-R-VAC, water pickup cleaner-vacuum, Ideal Industries, Inc.
BLUD-X, concentrated liquid enzyme, Huntington Laboratories, Inc.
BLUE BELL, blue, H. Kohnstamm & Co., Inc.
BLUE BONNET, blue, H. Kohnstamm & Co., Inc.
BLUE-EDGE, aprons, wetwash bags, Lewis National Corp.
BLUE LABEL, tallow soap, Beach Soap Co.
BLUE LABEL DARCO DC, activated carbon, Darco Dept., Atlas Powder Co.
BLUE LINE, collar supports, hangers, shirt bands, necktie hangers, Loroco Industries, Inc.
BLUE RIBBON, laundry nets, Southern Mills, Inc.
BLUE RIBBON, polishes, waxes, International Metal Polish Co.
BLUE RIDGE, leather belting, waterproof leather belting, Charlotte Leather Belting Co.
BLUE STAR, feed ribbons, New York Belting & Packing Co.
BLUE STREAK, nylon nets, Whitehouse Nylon Products
BLUFIXE, sour, H. Kohnstamm & Co., Inc.
BLUFIXE EXTRA-SOLUBLE, sour, H. Kohnstamm & Co., Inc.
BLUREX, sour, Hood Chemical Co., Inc.
BLU-TINT, sour and blue combination, Johnson Chemical Industries, Inc.
BLUTONE, liquid blue, E. F. Drew & Co., Inc.
BOB WHITE, bleach, Dello Products Co.
BOCK, drycleaning, laundry extractors, Bock Laundry Machine Co.
BODYMASTER, two-girl cabinet type shirt unit, Forse Corp.
BOILA KLEEN, boiler compound, Patek & Co.
BONASOL, textile dyeing assistants, American Aniline Products, Inc.
BOND, truck casters, Bond Foundry & Machine Co.
BONDERITE, corrosion-resistant paint, Tropical Paint & Oil Co.
BOND SET, silica base bonding mortar, Mexico Refractories Co.
BONIS, fur drum, fur sewing machine, Bonis Bros, Fur Machinery Corp.
BON-SPUN, nylon press covering, F. H. Bonn Co.
BON-TEX, nylon press covering, F. H. Bonn Co.
BON-TWIL, nylon press covering, F. H. Bonn Co.
BOOSTER, shirt unit, Unipress Co., Inc.
BORAX, soap dispensers and soap chips, Pacific Coast Borax Co.
BORGANA, boiler water treatment, Strong, Carlisle & Hammond Co.
BORI-BLUE, sour, Keever Starch Co.
BORNES, charge soap, Borne, Scrymser Co.
BOROCHLOR, liquid bleach, H. Kohnstamm & Co., Inc.
BOSTAGS, marking tags, Boston Clip & Tag Co.
BOSTITCH, cuff tackers, stapling machine, staples, Bostitch, Inc.
BOW, collar support, Package Masters, Inc.
BOWSER, stills, filters, Bowser, Inc.
BOYERTOWN, special motor truck bodies, Boyertown Auto Body Works, Inc.
BRANFORD, oil burners, Malleable Iron Fittings Co.
BREADY, heat reclaimers, heat exchangers, storage and water heaters, Ludell Mfg. Co.
BREAK-AID, solvent pine oil, Thompson-Hayward Chemical Co.
BREAK-O, break powder, Swift & Co., Industrial Soap Dept.
BREAK-PHOS, soap regenerator, Thompson-Hayward Chemical Co.
BREAKSYN, break detergent, E. F. Drew & Co., Inc.
BREECH LOCK, cast-steel gate valves, Lunkenheimer Co.
BRESSLER, controls, Bressler Engineering Service
BREX, break compound, Procter & Gamble Distributing Co.
BRIDGEPORT, copper water tubing, Bridgeport Brass Co.
BRIGHTGLO, wetcleaning detergent, Merson Products Co.
BRILLIANTONE, sour, G. S. Robins & Co.
BRILLO, press pads, Brillo Mfg. Co., Inc.
BRINE-O-LATOR, water-softening equipment, Carey Salt Co.
BRISTO, multiple spline socket set screws, hollow head cap screws, Bristol Co.
BRISTOL, starch, H. Kohnstamm & Co., Inc.
BRISTOL'S, instruments, Bristol Co.
BRITE, paste drycleaning soap, Keystone Aniline & Chemical Co., Inc.
BRITE-WAL, cellophane and paper combination bags, Comet Envelope & Paper Co., Inc.
BRITEWHITE, laundry blue, Washine National Sands, Inc.
BRI-TEX, drycleaning soap, Diamond Chemical Co., Inc.
BRITEX, sours, powdered soap, Van Chemical Co.
BRI-TONE, drycleaning concentrate, Spix Products Co.
BRIZENE, drycleaning soaps, Patek & Co.
BROS, boilers, heaters, stokers, tanks, Wm. Bros Boiler & Mfg. Co.
BROWNELL, boilers, heat exchangers, stokers, Brownell Co.
BROX, dri-cut cardboards, Alfred J. Brooks
BROXFORMS, shirt boxes, Alfred J. Brooks
BRU-CEX, water conditioning, feeders and chemicals, Bruner Corp.
BRUNER, water softeners, Bruner Corp.
BRUNNER, air compressors, air conditioners, refrigeration condenser, Brunner Mfg. Co.
BRUSHAWAY, mechanized brush spotting machine, McCleary Bros., Inc.
BRUSHENE, hand-brushing soap, Keystone Aniline & Chemical Co., Inc.
BRUSH-KLEEN, brushing soap, Adco, Inc.
BRUSH-OUT, liquid drycleaning soap, Caled Products Co., Inc.
BRYAN, boilers, Bryan Steam Corp.
BRYANT "COMMANDAIRE" TWINS, matched heating and air conditioning units, Bryant Heater Div., Affiliated Gas Equipment, Inc.
BRYANT CRYSTALGLAS, glass-lined water heater, Bryant Heater Div., Affiliated Gas Equipment, Inc.
BUBBLE RUB CONCENTRATE, upholstery shampooing soap, Keystone Chemical Co.
BUCKEYE, drycleaning washer, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
BUCKEYE, soaps, spotters, stain removers, suede leather dressing, water repellent, paint, oil and grease remover, rug and upholstery shampoo, deodorants, sizings, Davies-Young Soap Co.
BUCKEYE CLEAN-CHARGE, drycleaning detergent, Davies-Young Soap Co.
BUFF, alkali compound, special detergents, E. F. Drew & Co., Inc.
BUFFALO, extractor, filter, still, Gross Machinery Co., Inc.
BULLDOG, nylon laundry nets and press covers, metal press pads, X. S. Smith, Inc.
BUMINOL, albuminous stains and blood remover, Spix Products Co.
BUNG, special brick for malleable furnaces, dry press, Mexico Refractories Co.
BUNN, bundle-tying machine, B. H. Bunn Co.
BURBAK, cotton padding, Pittsburgh Waterproof Co.
BURKAY, water heaters, A. O. Smith Corp., Permaglas Div.
BURKS, boiler feed, condensation return feeds, turbine, centrifugal pumps and water system, Decatur Pump Co.
BUROMIN, boiler water treatment, Hagan Corp.
BURROUGHS, accounting, adding, bookkeeping, calculating, cash-registering machines, business machine supplies, Burroughs Adding Machine Co.
BUSSARD, spooled pants pocketing, collapsible extractor cover, R. D. Bussard & Co.
BUS-TRUCK CHIEF, truck tires, Mohawk Rubber Co.
BUTLER, boiler water treatment, mechanical descaler, Butler Engineering Co.
BUTLER, complete drycleaning plant equipment, Butler Mfg. Co.
BUTLER STILL, solvent distillation unit, Butler Mfg. Co.
BUTONOLE, hub perforating dye tag, Boston Clip & Tag Co.
BUTTON-NO-BUTTON, loop and clasp, J. W. Steele & Co.

C

C & S, cleansing powder, Swift & Co.
C. B., drycleaning detergent, Adco, Inc.
C-H, electrical equipment, Cutler-Hammer, Inc.
C-L, washers, extractors, cylinders, Cummings-Landau Laundry Machinery Co., Inc.
CM, fire retardant, E. I. du Pont de Nemours & Co., Inc.
CM, ratchet lever, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
CMC FORMULA, sizing and finishing compound, Hercules Powder Co.
CMH, expansion joints, expansion bellows, flexible metal conduit, Flexonics Corp.
C. Q., iron sequestering regenerator, Speedlite Chemicals Co., Div. Patek & Co.
CWP, color work process, H. Kohnstamm & Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

CABINET, shirt unit, Prosperity Co., Inc.
CABINETROL, control panel equipment, General Electric Co.
CABINET-SAN, deodorant, Huntington Laboratories, Inc.
CADET, paper products, Cade Paper & Bag Corp.
CALDWELL, tank, W. E. Caldwell Co., Inc.
CALDYES, dye pads, Calusa Chemical Co.
CALECO, drycleaning, laundry, starch extractors, wood laundry washer, wood cylinders, California Laundry Equipment Co.
CALED L-S, a liquid soap for drycleaning use, Caled Products Co., Inc.
CALGON, detergents, metaphosphate, rug cleaning and finishing compound, sizings, sodium metaphosphate, solvent, lime soap, water conditioners, chemical water softeners, Calgon, Inc.
CALLANET, knitted nylon nets, Callaway Mills, Inc.
CALROD, flatiron, General Electric Co.
CAL'S CHARGE, drycleaning soaps, Caled Products Co., Inc.
CALSILITE, pipe-covering blocks, Ruberoid Co.
CAL-SIZE, liquid or powder sizing, Caled Products Co., Inc.
CAL-SOAP, drycleaning soaps, Caled Products Co., Inc.
CAL-STRIP, liquid concentrated agent, Caled Products Co., Inc.
CAL-TEX, saponified oil-solvent blend with soap, Caled Products Co., Inc.
CAMELFORMS, laundry shells, Campbell Box & Tag Co.
CAMELTAGS, laundry tags, Campbell Box & Tag Co.
CAMEO, starch, A. E. Staley Mfg. Co.
CAMERON, pumps, Ingersoll-Rand Co.
CAMPBELL MICRONETIC, water and signal alarms, J. A. Campbell Co.
CANTON, stokers, steam generators, power plant equipment, Canton Stoker Corp.
CAPITAL, marking tags, U. S. Marking Tag. Co.
CAPITAL, posters, streamers for window display, Capital Poster Service.
CAPITOL, paint and grease remover, Allen & Vickers, Inc.
CARBIDE METHANOL, alcohol, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CARBITOL, solvent, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CARBO, laundry chemical, Diamond Alkali Co.
CARBO-DUR, activated carbon, Permutit Co.
CARBONOT, insulators, General Electric Co.
CARBON-TET, synthetic cleaning fluid, E. I. du Pont de Nemours & Co., Inc.
CARBOSE CR, special "CMC" product, Wyandotte Chemicals Corp., J. B. Ford Div.
CARBOXIDE, fumigant, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CARCOVAN, light truck body, Pacific Car & Foundry Co.
CARDOGRAPH, addressograph machine, Addressograph-Multigraph Corp.
CAREY, bathroom cabinets, Philip Carey Mfg. Co.
CAREYDUCT, asbestos cement pipe, Philip Carey Mfg. Co.
CAREY-SOTE, asbestos cement board, Philip Carey Mfg. Co.
CAREY'S SALT, salt tablets, dispensers, Carey Salt Co.
CARLTONITE, synthetic detergent laundry washing compound, Carlton Chemical Co., Inc.
CAR-NA-CRETE, rubber floor enamel, Continental Car-Na-Var Corp.
CAR-NA-LAC, self-polishing heavy-duty floor wax, Continental Car-Na-Var Corp.
CAR-NA-VAR, upholstery and carpet cleaning machine, liquid spirit wax requiring buffing, Continental Car-Na-Var Corp.
CAROVAN, truck bodies for use on Chevrolet or GMC chassis, Universal Sales, Inc.
CARRIER, industrial heating, refrigerator systems, Carrier Corp.
CARRY PACK, package handle-sealer, Carry Pack Co., Ltd.
CASCADE, mechanical unloading washer, laundry washers, automatic washing control, American Laundry Machinery Co.
CASCADE, nets, H. Kohnstamm & Co., Inc.
CASCADEX, laundry washer-extractor, American Laundry Machinery Co.
CASH-ACME, valves, regulators, A. W. Cash Valve Mfg. Corp.
CASHMERE BOUQUET, soap, Colgate-Palmolive Co.
CASH'S, woven names, labels, markers, tape, J. & J. Cash, Inc.
CATERPILLAR, diesel engine, Caterpillar Tractor Co.
CAT TONGUE, press plate for wools, Bishop David Freeman Co.
CAU-FLAN, flannel cotton pads, X. S. Smith, Inc.
CAUSUL, metal gate valves and cocks, Lunkenheimer Co.
CEDAR SHIELDS, storage bags, paper, various grades and colors, Rassenfoss Bag Co., Inc.
CEGLIN, finish for textiles, Sylvania Industrial Corp.
CELANESE, dyes, American Aniline Products, Inc.
CELA-SOL, paint remover, National Cleaners Chemical Mfg. Co.
CELATINT, tints for acetate yarn, American Aniline Products, Inc.
CELLO-SAVER, tape sealing machine for cellophane tape, Time Savers, Inc.
CELLOSIZE, sizing, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CELLOSOLVE, solvent, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CELLO-VU, cellophane bags, Time Savers, Inc.
CELOFORM, spotter, Keystone Aniline & Chemical Co., Inc.
CEMENTKOTE, heavy duty oil base cement paint, Tropical Paint & Oil Co.
CEN-TRA-VAC, centrifugal refrigeration compressor, Trane Co.
CENTURY, motors, generators, Century Electric Co.
CENTURY BRAND, sodium perborate, Eaton Chemical & Dyestuff Co.
CERTI-CIDE, demothing liquid, Certified Chemical & Equipment Co.
CERTIFIED, low-titer neutral soap flakes, Armour & Co.
CERTIFIED PILE BRUSH, nap and pile brush, Certified Chemical Equipment Co.
CERTIFIED SOLID, neutral solid pack crutcher soap, Armour & Co.
CERTIFIED SOUR, rust removing sour, Speedlite Chemicals Co., Div. Patek & Co.
CERTIFIED SUPERIOR, floor polishing machines, Certified Chemical & Equipment Co.
CERTI-FOAM, upholstery cleaner, Certified Chemical & Equipment Co.
CERTI-LAVE, non-rinse rug shampoo, Certified Chemical & Equipment Co.
CETIC-X, odorless liquid sour, Warco Laboratories
C-50, drycleaning soap, Nu-Pro Mfg. Co.
CHACE, automatic washer valves, Chace Valve Div., American Laundry Machinery Co.
CHAINVEYOR, light capacity overhead power and manually operated conveyors, U. S. Spring & Bumper Co.
CHALLENGE, automatic conveyor loader, Challenge Mfg. Co.
CHALLENGE-GRANTHAM, automatic tumbler, pre-conditions, fully dries, Challenge Mfg. Co.
CHALLENGER, all types fire extinguishers, American-La France-Foamite Corp.
CHALLENGER, nylon laundry nets, Whitehouse Nylon Products
CHALLENGER, stokers, Link-Belt Co.
CHAMBERS, laundry and drycleaning extractors, Chambers Extractor Co.
CHAMP CLEANER, fur cleaner, Nycco Products Co.
CHAMPION, automatic tying machine, cable cord, Thomaston Mills
CHAMPION, Monel press pad, Resillo Co.
CHAMPION CASCADE, laundry washer, American Laundry Machinery Co.
CHANDLER, button, sewing, tailoring, darning and mending, cuff tacking, blind stitch, Chandler Machine Co.
CHARGIT, drycleaning detergent with chlorophyll test kit, Nu-Pro Mfg. Corp.
CHASE, brass and copper products, Chase Brass & Copper Co.
CHASER, spot remover, Dello Products Co.
CHAT, detergent, General Aniline & Film Corp., Special Products Sales Div.
CHATILLON, scales, John Chatillon & Sons
CHEK-TAG, drycleaning identification system, Best Forms Co.
CHEMKLOS, work clothing, Mine Safety Appliances Co.
CHEM-O-FEEDER, constant rate proportioning pump, Proportioneers, Inc.
CHEMPUMP, centrifugal pump, Chempump Corp.
CHEVCO, belt cleaner, Samuel Chevlin Co., Inc.
CHEVROLET, motor trucks, Chevrolet Motor Div., General Motors Corp.
CHEVRON-TREDS, molded heavy duty rubber stair treads, American Floor Products Co.
CHEX, laundry mildewproofing agent, Cidex Corp.
CHIC, sizing for wetcleaning, Patek & Co.
CHICAGO, laundry machinery, Chicago Dryer Co.
CHICAGO CYCLE-MATIC, washers and extractors, Chicago Dryer Co.
CHICO, alkali soap builder, Wyandotte Chemicals Corp.
CHIEF, truck tires, Mohawk Rubber Co.
CHIEF COMMERCIAL, truck tires, Mohawk Rubber Co.
CHIEF 20, handkerchief ironer, Huebsch Div., American Laundry Machinery Co.
CHIEF 25, handkerchief, napkin ironer, Huebsch Div., American Laundry Machinery Co.
CHIFFON, miniature bar soap, Armour & Co.
CHINALINE, quick-drying enamel, Barreled Sunlight Paint Co.
CHLORASOL, fumigant, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CHLORESCO, bleach (calcium hypochlorite), Cowles Chemical Co.
CHLOREX, chlorinated solvent, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
CHLOR-O-CEL, sweetener, filter powder, Johns-Manville
CHLOR-O-FEEDER, constant rate proportioning pump, Proportioneers, Inc.
CHLOROWAX 40, liquid chlorinated paraffin, Diamond Alkali Co.
CHLOROWAX 70, resinous chlorinated paraffin, Diamond Alkali Co.
CHLOROWHITE, high phosphate laundry soap, New South Mfg. Co., Inc.
CHOCTAW, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
CHROMALOX, electric heating equipment, Edwin L. Wiegand Co.
CHROMASOID, anti-corrosion tank lining compound, Fred H. Schaub Engineering Co., Inc.
CHROME CONCRETE, chrome base refractory concrete, Mexico Refractories Co.
CHROMIX, refractory material, Quigley Co., Inc.
CHROMOTEX, rug cleaning detergent, Endriss Chemicals, Inc.
CHRYSLER-AIRTEMP, furnaces, boilers, heaters, stokers, Chrysler Corp., Airtemp Div.
CIDEX, mildew preventative, deodorant, mothproofing agent, Cidex Corp.
CIMATAG, printed tags and marking tags, Cincinnati Marking Tag & Supply Co.
CIMCO, cement applied to inner surface of tank, Ford Tank Maintenance Co.
CINCH, prespotter, Caled Products Co., Inc.
CINO, carpet, laundry and drycleaning tags, black marking ink, Fleischer Mills, Inc.
CISSELL, boards, boiler feeds, boiler return systems, cuff brusher, driers, drycleaning and laundry tumblers, garment conditioners and sleeve finisher, irons, spotting units and boards, spray guns, W. M. Cissell Mfg. Co., Inc.
CLAIM-SAVER, F. W. I. bundle separators, F. H. Bonn Co.
CLAIRANESE, cover cloth, Lewis National Corp.
CLARCO, unit heaters, Clarage Fan Co.
CLARK, fluid controls, Clark Mfg. Co.
CLARK 60, traps, valves, Clark Mfg. Co.
CLAYBRITE, machine clay coated paperboard, Cornell Paperboard Products Co.
CLAYTON, steam generators, feed water pump, water heater, Clayton Mfg. Co.
CLEAN CHARGE, drycleaning detergent, charge system, The Davies-Young Soap Co.
CLEANCUT, pinkers, Maxant Button & Supply Co.
CLEANSER 600, alkali cleanser, Solvay Process Div., Allied Chemical & Dye Corp.
CLEANSERTAG, marking tag material, Hollingsworth & Vose Co.
CLEANWELL, promoted synthetic detergent, Speedlite Chemicals Co., Div. Patek & Co.
CLEARSIZE, laundry starch, National Starch Products, Inc.
CLEARTEX, laundry starch, National Starch Products, Inc.
CLEAR-VIEW, boxes, bags and cellophane products, Clear View Packaging Co.
CLEAVER-BROOKS, steam generators, boilers, Cleaver-Brooks Co.
CLENA-FORM NO. 2, cleaner, polisher and lubricator for shirt units and body presses, College Chemical Co.
CLEVELAND, rug and laundry machinery, Cleveland Rug Cleaning Machinery Co.
CLIMAX, overall marking tags, Risdon Mfg. Co.
CLINTON, rug sizing, Clinton Foods Inc.
CLINTON 5L, thick boiling starch, Clinton Foods Inc.
CLIP-A-TAPE, gummed-tape dispenser, Ideal Stencil Machine Co.
CLIPPER, belt-lacing equipment, belt cutters and fasteners, Clipper Belt Lacer Co.
CLIPPER, wire lacing, belt lacers, belt cutters, I. B. Williams & Sons
CLIX, belt organizer, Time Savers, Inc.
CLO-DEO, freshener, Fumol Corp.
CLOMAK, balanced detergent, Wyandotte Chemicals Corp., J. B. Ford Div.
CLOPAY, hanger protectors, dress guards, Clopay Corp.
CLOPAY SANITEX, garment storage bags, Clopay Corp.
CLOR, bleach, Pennsylvania Salt Mfg. Co.
CLORAFIN, chlorinated paraffin, Hercules Powder Co.
CLOROSHEEN, drycleaning detergent, Riverside Mfg. Co.
CLOTHES-A-CLEAN, combination washer-extractor, Clothes-A-Clean Mfg. Corp.
CLOTHES SAVER, bleaching powder, Ellenbogen & Shannon, Inc.
COAGULATOR, rapid combination mixing chamber and settling basin, Hungerford & Terry, Inc.
COATES, electric boiler, Coates Electric Mfg. Co.
COAT-SEAL, interior wall coating, Steelcote Mfg. Co.
COBECO, leather belting, cement, Cornell Belting Co.
COCHECO, flat leather belting, belt cement, I. B. Williams & Sons
COCHIN SEB, solvent and synthetic wetting agent, E. F. Drew & Co., Inc.
COCHRANE, steam power plant equipment, Cochrane Corp.
COCOANUT OIL, paste soap, National Cleaners Chemical Mfg. Co.
COCOGEL, wetcleaning soap, E. F. Drew & Co., Inc.
COCOZOP, coconut oil, wetcleaning paste soap, Package Chemical Co., Inc.
COLCOT, press padding flannel, Southern Mills, Inc.
COLDSPRAY, built soap for cool-water washing, Beach Soap Co.
COLDWATER NAPTEX, laundry soap, E. F. Drew & Co., Inc.
COLD WATER OZONITE, cold-water soap, Procter & Gamble Distributing Co.
COLD WATER SOL SUDS, soap, Lewis National Corp.
COLE, leather and suede cleaners and dyers, Cole Leather Cleaners of America
COLGATE CONCENTRATED, liquid soap, Colgate-Palmolive Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

COLGATE FORMULA 20, 25, 40, neutral soap flakes and granulated built soap, Colgate-Palmolive Co.
COLGATE LOW FOAM, detergent, Colgate-Palmolive Co.
COLGATE WHITE, flake and granulated neutral white soap, Colgate-Palmolive Co.
COLLARIGHT, collar ironer, shirt-folding machine, Key-Tag Checking System Co.
COLLA-RITES, collar supports, M. H. Gronauer Co.
COLLARMASTER, collar pressing machine, U. S. Hoffman Machinery Corp.
COLOR BRITE, soap, Lewis National Corp.
COLORBRITE, rug and upholstery cleaner, Edelmuth Mfg. Chemists
COLOREX, stripping agent, Stauffer Chemical Co.
COLORFIXE, sour, H. Kohnstamm & Co., Inc.
COLORFLEX, leather dyes, Eaton Chemical & Dyestuff Co.
COLOR-GO, powdered stripping agent, A. L. Wilson Chemical Co.
COLOR KEEP, fixitive for dye, North American Dye Corp.
COLORLUME, drycleaning soap, Fry Bros. Co.
COLORSOUT, powder color stripper, Washine National Sands, Inc.
COLOR SPARK, break powders, Wyandotte Chemicals Corp.
COLORSUDS, low-temperature soap, H. Kohnstamm & Co., Inc.
COLORTOP, plug fuses, Trico Fuse Mfg. Co.
COLORZOUR, sour, Washine National Sands, Inc.
COLOVOLT, fluorescent lamps, fixtures, General Luminescent Corp.
COLSON, wheels, casters, trucks, Colson Corp.
COLTEX, cold-water soap, medium pH, E. F. Drew & Co., Inc.
COLUMBIA, activated carbon, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
COLUMBIA, blindstitch machines, Columbia Sewing Machine Corp.
COLUMBIA, high pressure steel boilers, Columbia Boiler Co. of Pottstown
COLUMBIA, drycleaning extractors, used and rebuilt machinery, puff irons, valves, Columbia Laundry Machinery Co.
COLUMBIA, drycleaning unit, solvent saver, Columbia Appliance Corp.
COLUMBIA BF, puff iron, Columbia Laundry Machinery Co.
COLUMBIA GEM, extractor, Columbia Laundry Machinery Co.
COLUMBIA-SOUTHERN, detergents, chemicals, Columbia Southern Chemical Corp.
COMBATT-C corrosion preventative, Adrian Research & Chemical Co.
COMBINATION, cellophane bags for shirts and sweaters, Clear-View Packaging Co.
COMBINATION OFFSET, silk finishing press, Excelsior Machinery Co.
COMBINER CLIPS, assembling clips, Larton Products Co., Inc.
COMBINETS, laundry nets and fabrics, Davis Mills, Inc.
COMBINO, padding for flatwork ironers, Tingue, Brown & Co.
COMBO, combination checking desk, bag storage unit and garment bagger, Rodin Machinery Co., Div. Rodin Bros.
COMBUSTIONEER, automatic coal burner, humidifiers, Steel Products Engineering Co.
COMBY-R, laundry nets, Davis Mills, Inc.
COMET, electric hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
COMET, extractors, Hammond Laundry-Cleaning Machinery Co.
COMET, nylon nets, Gibraltar Fabrics, Inc.
COMET, washer, Henrici Laundry Machinery Co.
COMMANDER, steel framed platform hand trucks, Fairbanks Co.
COMMERCIAL, soap, Rome Soap Mfg. Co.
COMPACT, low-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
COM-PAT, soluble fine granular bleach, Martens Chemical Corp.
COMPLETE, laundry soaps, Fry Bros. Co.
COMPO, fiber marking tags, Fleischer Mills, Inc.
COMPO, marking tags, U. S. Marking Tag Co.
COMPOUND 40, general formula spotter, Keystone Aniline & Chemical Co., Inc.
CONCENTRATE 1960, batch system detergent concentrate, Lustrol Chemicals Products, Div. Patek & Co.
CONCO, stokers, Conco Engineering Works, Div. H. D. Conkey & Co.
CONDOR, hose, belting, rolls, Raybestos-Manhattan, Inc.
CONCORD, wax emulsions, Concord Chemical Co., Inc.
CONDO-VAC, return-line vacuum pumps for heating systems, Chicago Pump Co.
CON-D-TEX, mothproofing agent, Research Laboratories Corp.
CONDUCTIVITY CONTROL, moisture control for charge system, R. R. Street & Co., Inc.
CONE, towels, diapers and gabardine twill, Cone Mills Inc.
CON-SECU-TAG, identification systems, invoice, combination, marking, and printed tags, Con-Secu-Tag, Inc.
CONSTELLATION, 2- and 3-girl shirt finishing units, Unipress Co.
CONTINENTAL, steam generators, Boiler Engineering & Supply Co., Inc.
CONTINENTAL 18, self-polishing heavy-duty liquid floor wax, Continental Car-Na-Var Corp.
CONTINUOUS FLOW, washer, Bill Glover, Inc.
CONTIN-U-RAIL, rail parts and fittings for speed rail, White Machine Co., Inc.
CONTIN-U-VEYOR, mechanized garment hanger and trolley conveyor, White Machine Co., Inc.
CONVAIR, converts foot press into air-operated press, New York Pressing Machinery Corp.
CONVENTIONAL, asbestos F. W. I. padding, Gibraltar Fabrics, Inc.
COOK EXTRACTOR, extractors, laundry, Cook Machinery Mfg. Co., Inc.
COOK WASHETTE, washers, automatic laundry, Cook Machinery Co., Inc.
COOLAIR, fans, ventilating systems, American Coolair Corp.
COOLIDGE, pad savers, Ink-O Products Co.
COOLIDGE GRID, press pad, John E. Coolidge Co.
COOPER, pressing stands, bucks, tables, iron carriers, H. P. Cooper & Co.
COOPER-BESSEMER, compressors, diesel and gas engines, Cooper-Bessemer Corp.
COORDINATED PROCESS CONTROL, automatic control, Bristol Co.
COPALITE, interior varnish, Barreled Sunlight Paint Co.
COPR-TUBE, copper tube fittings, Dresser Mfg. Div., Dresser Industries, Inc.
CORONET, 72-pound drycleaning unit, Detrex Chemical Industries, Inc.
CORRUFLEX, expansion joint, American District Steam Co., Inc.
COTTAGE, steel direct-fired water heater, oil-gas, Kewanee Boiler Corp.
COTTONBLOSSOM, flatwork ironer padding and canvas baskets, Southern Mills, Inc.
COUNTERBOY, carton and package taping machine, Better Packages, Inc.
COUNTERFLOW, automatic 10-washer counter-flow laundering unit, International Laundry Equipment Co.
COUNTERVEYOR, counting conveyor, Leebaw Mfg. Co.
COV-EEZ, garment hanger shields, Larton Products Co., Inc.
COVERDUX, cotton roll covers, Tingue, Brown & Co.
CRANE, plumbing fixtures, Crane Co.
CRAVASET, drycleaning sizing and finishing agent, Cravenette Co., U. S. A.
CRAVENETTE, water repellent, Cravenette Co., U. S. A.
CREAM FINISH, starch lubricant, Lewis National Corp.
CRESCENT, belt fasteners, plates, rivets, rivet extractors, Crescent Belt Fastener Co.
CRESCENT, laundry chemical specialty items, Hood Chemical Co., Inc., Crescent Div.
CRESCENT, try-cocks, Wright-Austin Co.
CREST, starch, A. E. Staley Mfg. Co.
CRESTEX, sour, Hood Chemical Co., Inc., Crescent Div.
CROSBY, gauges, valves, Crosby Steam Gauge & Valve Co.
CROWN, electric-steam irons, steam generators, electric irons, Crown Mfg. Co.
CROWN, laundry nets, Davis Mills Inc.
CROWN, starch, A. E. Staley Mfg. Co.
CRUCIBLE, stainless steel laundry equipment, Crucible Steel Co. of America
CRUSADER, nets, cover cloth, double-face flannel, cover duck, Egan Cotton Mills
CRYSTAL VICTOR, laundry starch, Keever Starch Co.
CRYSTAMET, sodium metasilicate, Cowles Chemical Co.
C/S DETERGENT, charged system detergent, Adrian Research & Chemical Co.
CUB JR., steam trap, Wright-Austin Co.
CUFF BRUSHER, rotary cuff cleaner, Excelsior Machinery Co.
CUFF TACKER, sewing machine, Chandler Machine Co.
CULLIGAN, water softening and conditioning equipment, Culligan Zeolite Co.
CUMMINGS-LANDAU, laundry equipment, Cummings-Landau Laundry Machinery Co., Inc.
CURRY, feed ribbons, J. W. Curry Co.
CURTIS, air conditioners, compressors, condensers, hoist, tanks, Curtis Mfg. Co.
CUSTOM, electric steam generators, Custom Engineering Co.
CUSTOM, shoulder finisher and shaper, Hopkins Equipment Co.
CUSTOM-AIR, large building heating and cooling equipment, Trane Co.
CUTLER-HAMMER, electrical equipment, motor control, Cutler-Hammer, Inc.
CYANEGG, sodium cyanide, E. I. du Pont de Nemours & Co., Inc.
CYCLAMATIC, laundry washer control, American Laundry Machinery Co.
CYCLO, heavy prespotter, R. R. Street & Co., Inc.
CYCLONE, exhaust head, Wright-Austin Co.
CYCLONE, hand power hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
CYCLONE, washer, Henrici Laundry Machinery Co.
CYCLONE CONVEYORS, pneumatic conveyors, Eastern Cyclone Conveyor Systems, Inc.
CYCLONE COUNTING MACHINES, automatic counters for towels, diapers, etc., Eastern Cyclone Systems, Inc.
CYCLOPS, needle bearing, Roller Bearing Co. of America
CYCLO "S", soapless prespotter, R. R. Street & Co., Inc.
CYCLOTHERM STEAM GENERATORS, package type boiler, automatic oil or gas fired, Cyclotherm Div., U. S. Radiator Corp.
CYLON, wetcleaning detergent, Patek & Co.

D

DCT, drycleaning tumbler, Western Laundry Machinery Co.
DA-CO, chemicals, cleaners, Davis-Weil Mfg. Co.
DACROTEX, dacron ironer cover cloth, X. S. Smith, Inc.
DAHLBERG, speed-rail equipment and parts, automatic overhead screw conveyor, storage racks, Dahlberg Machinery Co.
DAILY DELIVERY, marking tags, Pittsburgh Tag Co.
DAINTEX, wetting agent, Hercules Powder Co.
DAMASCITE, ferrous-base machine parts, Amplex Div., Chrysler Corp.
DAMIT, pipe joint compound, Quigley Co., Inc.
DAMP-TEX, enamel, Steelcote Mfg. Co.
DANDUX, canvas baskets, hampers, bags, trucks, C. R. Daniels, Inc.
DARCO DC, activated carbon, Atlas Powder Co.
DARNELL, wheels, casters, gliders, rubber bumpers, Darnell Corp., Ltd.
DATERETTE, dating machine, American Numbering Machine Co.
DATEX, dacron F. W. I. cover, Gibraltar Fabrics, Inc.
DAVIS, controls, regulators, valves, Davis Regulator Co.
DAVIS, first-aid and emergency equipment, Davis Emergency Equipment Co., Inc.
DAVIS, press plates, flexible metal hose, Bishop David Freeman Co.
DAVIS, overall tags, Keyes-Davis Co.
DAVIS, shirt unit, Prosperity Co., Inc.
DAVIS NETS, laundry nets, Davis Mills Inc.
DAVIS OVERALL TAG, brass permanent marker, Keyes-Davis Co.
DAVIS TAG, permanent overall marker, Keyes-Davis Co.
DAVIS Z. laundry net, Davis Mills Inc.
DAVOTEX, leather cleaning and redyeing, C. O. D. Cleaning & Dyeing Co.
DAY-SOL, chlorinated solvent drycleaning soap, Davies-Young Soap Co.
DC-15, size for synthetics, for drycleaners, Keever Starch Co.
DC FILTROL, adsorbent filter powder, Filtrol Corp.
DEAN HILL, centrifugal industrial power pumps, steam turbines, Dean Hill Pump Co.
DECAL, water softener, Washine National Sands, Inc.
DECALCOMANIA, truck lettering, pictorials, nameplates, window signs and valances, Meyercord Co.
DEFENDER, regulators, recording instruments, Defender Instrument & Regulator Co.
DEFENDER, steel pins, safety pins, hanger assembly clips, Oakville Co. Div., Scoville Mfg. Co.
DEFLOC, laundry detergent, Cowles Chemical Co.
DEHYDRATINE 2A, water repellent, A. C. Horn Co., Inc.
DELIBLE, dissolves indelibles, Warco Laboratories
DE-LIMER, lime solvent, E. F. Drew & Co., Inc.
DELIVR-ALL, delivery truck, Marmon-Herrington Co., Inc.
DELLOSOAP, drycleaning soap, Dello Products Co.
DELUXE, sizing, Huron Milling Co.
DELUXE, asbestos press covering, F. H. Bonn Co.
DE LUXE, uniforms, Shane Uniform Co., Inc.
DELUXE MIRZA, automatic rug cleaning machine, American Laundry Machinery Co.
DE LUXE STRING, cord, Milwaukee Printed String Co.
DEMING, pumps, Deming Co.
DEMOTHOL, mothproofing solution, Signal Chemical Mfg. Co.
DENOMINATOR, tabulating machines, Denominator Company, Inc.
DEODOR, deodorant, Patek & Co.
DEODORIZED APCO 125, drycleaning naphtha, Anderson-Prichard Oil Corp.
DESOIL, break powder, Cowles Chemical Co.
DE SOLV, oil, paint and grease spotter, Benda Products, Inc.
DESTAINER, penetrating soap, A. L. Wilson Chemical Co.
D'ESTE, automatic regulating valves, strainers, etc., D'Este Div., Kaye & MacDonald, Inc.
DETECTO, scales, Detecto Scales, Inc.
DETERGENT N, drycleaning soap, Allen & Vickers, Inc.
DETERGEX, wetcleaning detergent, Dixo Co.
DETERSYN, detergent for use with chlorinated solvents, Riverside Mfg. Co.
DETEX, watchmen's clocks, Detex Watchclock Corp.
DETREX, drycleaning equipment, solvent still, Detrex Chemical Industries, Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

DETROIT, belt lacers, belt cutters, Detroit Belt Lacer Co.
DETROIT, valves, W. M. Chase Co.
DEVILBISS, compressors, spray guns, hose, De-Vilbiss Co.
DEWEY-SHEPARD, *gas and oil fired boliers* and water heaters, base-panel radiation, winter-summer air conditioner, Dewey-Shepard Boiler Co.
DEXCO, dacron flatwork ironer cover, Whitehouse Nylon Products
DEXTAPE, flatwork ironer tape, Whitehouse Nylon Products
DIAL, miniature bar soap, Armour & Co.
DIALAMATIC CONVEYORS, *laundry and dry-*cleaning call office conveyors, Detrex Chemical Industries, Inc.
DIAL-MASTER, automatic washer control, Norman Control Co.
DIAL-O-TIMER, laundry formula timer, Norman *Control Co.*
DIAL-TROL, call counter conveyor control, National Marking Machine Co.
DIAMO, stripper, stain remover, Lewis National Corp.
DIAMOND, *ball, revolving and swing joints,* Diamond Metal Products Co.
DIAMOND, *chains, couplings,* Diamond Chain Co., Inc.
DIAMOND, knitted nylon nets, Whitehouse Nylon Products
DIAMOND, *laundry chemicals, Diamond Alkali* Co.
DIAMOND, water-treatment compounds, Oshkosh Filter & Softener Co.
DIAMOND, wire garment hanger, *Diamond Wire Hanger Co.*
DIAMOND BLUE, laundry bluing, Diamond Alkali Co.
DIAMOND DRYCLEANER, chlorinated cleaning solvent, Diamond Alkali Co.
DIAMOND O & W COMPOUND, detergent, *Diamond Alkali Co.*
DIAMOND T, motor trucks, Diamond T Motor Car Co.
DIAMOND TAG, identification system, Dillard *Paper Co.*
DIAMOND "W," *laundry soaps,* Los Angeles Soap Co.
DIASAN, diaper sanitizer, H. Kohnstamm & Co., Inc.
DIAZOCEL, *for dyeing Celanese and acetate* silks, American Aniline Products, Inc.
DIAZYME, enzymic digester, Jacques Wolf & Co.
DICALITE 7, filter powder, Dicalite Div., Great Lakes Carbon Corp.
DICALITE SPEEDPLUS, *straight diatomite filter* powder, Dicalite Div., Great Lakes Carbon Corp.
DICALITE SWEETENER, sweetener, filter powder, *Dicalite Div.*, Great Lakes Carbon Corp.
DIEHL, *electric motors, fans,* Diehl Manufacturing Co., Div. Singer Mfg. Co.
DI/EN, digester, John P. Lynch Co.
DIGESTALL, digestive agents, Package Chemical Co., Inc.
DIGESTEX, fortified enzymic digester, Lustrol *Drycleaning Products, Div. Patek & Co.*
DIGESTIT, enzymic digester, Riverside Mfg. Co.
DIP-O-MATIC, water repellent tank, Hopkins Equipment Co.
DIPCRAFT, *advertising balloons, Dipcraft Mfg.* Co.
DIRTEX, IMPROVED, break compound, Patek & Co.
DISAPPERO, spotting compound, Fry Bros. Co.
DISCOVERY, *handkerchief fluffer, Huebsch Mfg.* Co., Div. American Laundry Machinery Co.
DI-SOLVENT, diluent for leather dyes, Nu-Pro Mfg. Co.
DISPERSO *silk and wool drycleaning soap,* Spix Products Co.
DIS-PER-SOL, *break powder, Thompson-Hay-*ward Chemical Co.
DISPLAY-IT, shirt display cases, Time Savers, Inc.
DISTILLENE, *drycleaning soap,* Keystone Aniline & Chemical Co., Inc.
DIVCO "DIVIDEND SERIES", trucks, Divco Corp.
DIVCO MULTISTOP, delivery vehicles, Divco Corp.
DIVERTI-FLO, automatic air controls, Manitowoc *Engineering Co.*
DIVIDEND SERIES, delivery truck, Divco Corp.
DIX-E-HOLD, hangers, Marion Mfg. Co.
DIXIE, aprons, Minnesota Chemical Co.
DIXIE, *laundry nets, Southern Mills, Inc.*
DIXIE, *tags, tapes, trouser guards,* collar supports, Dixie Hanger Co.
DIXO, detergents, drycleaning soaps, grease, oil and paint remover, wetcleaning soap, Dixo Co.
DIXON STEAM KING, Scotch marine boiler, Dixon Boiler Works
DIXON WATERFALL, *Scotch marine boiler,* Dixon Boiler Works
DIZOLV-IT, oil remover, Kliegman Bros., Inc.
DO-ALL, built anionic, synthetic detergent, Armour & Co., Industrial Soap Dept.
DOBBY, *mothproofing concentrate,* Jay-Dee, Inc., Mfg. Chemists
DOCTOR BOILER, *boiler water treatment com-*pound, Doctor Boiler, Inc.
DOCTOR SPOTGESTER, prespotter, Dello Products Co.
DODGE JOB-RATED TRUCKS, *motor trucks,* Dodge Div., Chrysler Corp.
DODSON, business insurance, Bruce Dodson & Co.
DOG TEX, *treatment for cat and dog stains,* Hild Floor Machine Co.
DORAN, hat machinery, Hatters Supply House, Inc.
DOUBLE CHECK, zeolite water softener, Elgin Softener Corp.
DOUBLE DUTY SOUR, sour and blue com-*bination, Diamond Alkali Co.*
DOUBLE-VALVE, *blanket brusher, American* Laundry Machinery Co.
DOUBLEWEAR, apron duck, cover cloth, nets, Lewis National Corp.
DOUGLAS, *corn starch, thin boiling starch, Pen-*ick & Ford Ltd., Inc.
DOVER DYPERCAN deodorized diaper container, Dover Stamping Co.
DOWCLENE, synthetic cleaning solvent, Dow Chemical Co.
DOWFUME V, *fumigant, Dow Chemical Co.*
DOWNY DIPE, textile softener liquid with germicidal agent for diapers, Marlyn Chemical Co., Inc.
DOW-PER, synthetic solvent, perchlorethylene, *Dow Chemical Co.*
DRAIN-DRI, cellar drainers, Yeomans Bros. Co.
DRAINTROL, condensation drainage device, Fred H. Schaub Engineering Co., Inc.
DRAPER-EZE, blanket and drapery steam-air finisher, Draper-Eze Equipment Co.
DRAPER-FORM, *drapery steam finisher, Kleen* Hamper, Inc.
DRES'N'SPORT, dress and sport shirt folding machine, Bishop David Freeman Co.
DRESSER, *clamps, couplings, fittings, Dresser Mfg. Div., Dresser Industries, Inc.*
DREST, paste type leather finisher, Caled Products Co., Inc.
DREW, ironer oil, E. F. Drew & Co., Inc.
DREW 90 PLUS POWDER, *soap plus medium* pH alkali builder and water conditioner, E. F. *Drew & Co., Inc.*
DREX-KLEEN, carbon tetrachloride solvent, Detrex Corp.
DRI-BORD, steam-heated press boards, Kisco *Boiler & Engineering Co.*
DRI-BRITE GLOSS, fur luster, Nycco Products Co.
DRI-CLOR, dry-to-the-wheel bleach, Pennsylvania Salt Mfg. Co.
DRICO, *air cleaners, filters, separators, strainers,* Drico Industrial Corp.
DRIEX, water-soluble water repellent, Keystone Aniline & Chemical Co., Inc.
DRI-FLO DIPIT, *indelible laundry and dry-*cleaning marking set, Dri-Flo Mfg. Co.
DRI-HAND, *dampener and moisture regulator,* J. W. Steele & Co.
DRI-RINSE, drycleaners' sour, Johnson Chemical Industries, Inc.
DRISEAL, *shirt bands, Driseal Co.*
DRI-SHEEN, *alkaline detergent, Adco, Inc.*
DRI-SHEEN PROCESS, charged system method of cleaning, Adco, Inc.
DRISIZE, synthetic resin sizing for use in petro-*leum solvent, Eaton Chemical & Dyestuff Co.*
DRI SPOT, volatile dry spotter, Benda Products, *Inc.*
DRI-STEAM, air cleaners, filters, separators, strainers, valves, Drico Industrial Corp.
DRISUDZ, laundry alkaline soap, Cowles Chemi-*cal Co.*
DRISYN, drycleaning detergent, E. F. Drew & Co., Inc.
DRIZYN SPOTTERS, paint, oil, grease, lipstick spot removers, E. F. Drew & Co.
DRI-TEX, *drycleaning detergents, Spix Products* Co.
DRITHERM, infra-red heat lamps, North American Electric Lamp Co.
DRI-TOP, *ironing board, Bishop David Freeman* Co.
DRI-TRI, *anhydrous trisodium, A. R. Maas* Chemical Co., Div. Victor Chemical Works
DRO-GO, spotting agent, A. L. Wilson Chemi-*cal Co.*
DR. SPOTGESTER, *prespotter, Dello Products* Co.
DRUCLOR, powdered hypochlorite bleach, E. F. Drew & Co., Inc.
DRUM MASTER, fur cleaning automatic machine, *Walter Haertel Co.*
DRUMMOND, soaps, oils, detergents, Standard *Soap Co., Div. Concord Chemical Co., Inc.*
DRUSOAP H, high-titer neutral soap, E. F. Drew & Co., Inc.
DRUSOAP P, high-titer 98% neutral soap, E. F. *Drew & Co., Inc.*
DRUZOL, heavy-duty detergent, E. F. Drew & Co., Inc.
DRY BRIGHT, liquid wax for floors, Riverside Chemical Co.
DRY-CAL-SIZE, *liquid sizing for solvent sizing,* Caled Products Co., Inc.
DRY CHEMICAL, *fire extinguishers, American-La* France-Foamite Corp.
DRYCLEAN, spot remover, E. I. du Pont de Nemours & Co., Inc.
DRYCO, spotting units, finishing equipment and *steam condensers, Bishop David Freeman Co.*
DRYCOMATIC, steam-electric iron, Bishop David *Freeman Co.*
DRYCON, dry size, Wallerstein Co., Inc.
DRYERETTE, driers, hot air, gas-fired, Hoyt Mfg. Corp.
DRYERETTE, JR., driers, gas, electric or steam, Hoyt Mfg. Corp.
DRYETTE, water repellent, *Cravenette Co.,* U. S. A.
DRYGESTER, *dry spotter, Smith Bros. Co.*
DRY MASTER, clothes tumbler, National Dryer Mfg. Co.
DRYMASTER, drying cabinets, Hopkins Equipment Co.
DRY-O-MATIC, *signal and alarm control for* tumblers, Rosenthal Mfg. Co.
DRY-O-WET, spot remover, Slater-Robbins Co. Inc.
DRYSET, air vacuum systems, *Lamson Corp.,* Blower Div.
DRY-SIZE, *dry size, R. R. Street & Co., Inc.*
DRY SPOTTER, volatile grease and paint remover, Lustrol Drycleaning Products, Div. Patek & Co.
DUAL, steam traps, *American District Steam Co., Inc.*
DUALCRAFT, press pads, Padcraft Corp.
DUAL-DUTY TAG-O-LECTRIC, tag-marking and attaching machine, Textile Marking Ma-*chine Co., Inc.*
DUAL FILM-a-RECORD, micro-filming ma-*chine, Remington Rand, Inc.*
DUBL-DUX, dry water repellent, Eaton Chemical-Dyestuff Co.
DUBLECOTE MULTI-SHINGLES, asphalt roof-*ing shingles, Barrett Div., Allied Chemical &* Dye Corp.
DUBLIFE, replacements for collars, cuffs, neck-bands and trouser pockets, Dublite Collar Co.
DUCO, finishes, E. I. du Pont de Nemours & *Co., Inc.*
DUFFEL, laundry nets, Southern Mills, Inc.
DUKE, *trouser guards,* suit, dress and drape hangers, Pittsburgh Hanger Co., Inc.
DUNAWAY, digesters; spotting agents and re-movers; drycleaning soaps, H. D. Dunaway and *Co.*
DUO, doublewing collar support, Time Savers, Inc.
DUO-DRI, twin dryers, Hoyt Mfg. Co.
DUO-MATIC, washers and extractors, *Prosperity Co., Inc.*
DUO-NYL, nylon expander pad covers, F. H. Bonn Co.
DUO-TEX CONC, drycleaning soap, Keystone *Aniline & Chemical Co., Inc.*
DUO-WHITE, powdered bleach, Duo-White Co.
DUPLEX, *shirt transporter,* Time Savers, Inc.
DUPLEX, vacuum cleaner, General Electric Co.
DUPLEX-SLEEVE, expansion joint, American District Steam Co., Inc.
DUPONOL, fatty alcohol sodium sulfate, E. I. du Pont de Nemours & Co., Inc.
DURABILT, laundry and drycleaning washer, Gardner Machinery Corp.
DURACAL, *covers and padding combinations,* Patek & Co.
DURAFLEX, stokers, Canton Stoker Corp.
DURAVAN, truck bodies for use on Dodge chas-sis, Universal Sales, Inc.
DURO, blow-off valve, Lunkenheimer Co.
DURO, press covers, R. Lally Co.
DUROIL, fiber sheet packing, *Raybestos-Man-*hattan, Inc.
DUROTEX, *press covers, R. Lally Co.*
DUST-PROOF, *sweeping compound for floors,* Riverside Chemical Co.
DUST STOP, air filters, Owens-Corning Fiber-glas Corp.
DUTCH-MILL, *diaper and diaper can deodor-*ants, Van Chemical Co.
DU-TEX, *stain remover, Warco Laboratories*
DUTTON, *boilers, pumps, Hapman-Dutton Co.,*
DUX COTE, water repellent, Eaton Chemical & *Dyestuff Co.*
DUX-IT, solvent-soluble water repellent, Key-stone Aniline & Chemical Co., Inc.
DWYER, gauges, indicators, meters, F. W. Dwyer Mfg. Co.
DYCO-SIZE, *garment retexturing compound,* Davies-Young Soap Co.
DYDROSITE, *stripping agent, Nu-Pro Mfg. Co.*
DYE PADS, pads for "spot dyeing," Caled Prod-ucts Co., Inc.
DYNA-MATIC, open-end washer, Hammond Laundry-Cleaning Machinery Co.
DYNAMIC DUMPER, unloading washer, Miller Laundry Machinery Co.
DYNASOPE, *concentrate, drycleaning filter soap* with antiseptic and mothproofing, A. F. Wolke Co.
DYNEL, Union Carbide & Carbon Corp., Textile Div.
DYO-FLEX, dyes, finishes for leather, Dyo Chemical Co.
DY-100, *liquid drycleaning soap,* Davies-Young Soap Co.
DYPERCAN, sanitary diaper cans, Dover Stamp-*ing Co.*
DYSCO, *wetcleaning silk and wool soap,* Davies-Young Soap Co.
DYSOLVO, soap, Davies-Young Soap Co.
DY-SULPH, synthetic wetcleaner, Davies-Young Soap Co.
DYTINT BLUE, bluing for use in washing ma-chines, North American Dye Corp.
DYTINT DYE, dye for use in washing machines, North American Dye Corp.
DYWHITE, *whitener for use in washing ma-*chines, North American Dye Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

E

EA, drycleaning presses, Prosperity Co., Inc.
E-C, soap systems, loading hoppers, lint collectors, piece counters, Eastern Cyclone Conveyor System, Inc.
EFTT, *electric power fork truck, Lewis Shepard* Products, Inc.
E-Z, *drycleaning soap, Dello Products Co.*
EZDS, *presses, Prosperity Co., Inc.*
EAGLE, safety cans for storing and handling all kinds of volatile or flammable liquids, Eagle Mfg. Co.
EAGLE CLAW, *hooks, eyes and loops, Oakville* Co. Div., Scoville Mfg. Co.
EASTON, *woven cotton belting, Victor Balata & Textile Belting Co.*
EASY, vertical and horizontal solvent pumps, exhaust fans, Easy Industries
EASY-ON, wood strut hanger, Nagel Coat Hanger Co.
EASY PRESS, manually operated drycleaning press, *Goldman Pressing Machine Corp.*
EASY-TO-SEW, *replacement collars, Zuckerberg* Corp.
ECCO, blues, ironer oil, spot removers, repellents, prespotters, tints, soaps, Eaton Chemical & Dyestuff Co.
ECCODUX, water repellent, Eaton Chemical & *Dyestuff Co.*
ECCOFORM, spot remover, Eaton Chemical & Dyestuff Co.
ECCO KOBO, odor neutralizer, Eaton Chemical & *Dyestuff Co.*
ECCOSIZE, *textile finish, Eaton Chemical & Dye*stuff Co.
ECLIPSE, laundry and drycleaning power plant equipment, boilers, steam generators, controls, *pumps, valves, Eclipse Fuel Engineering Co.*
ECLIPSE PIONEER, flexible metal hose, Eclipse *Pioneer Div., Bendix Aviation Corp.*
ECO, hand cream, Davis Emergency Equipment Co., Inc.
ECO, watchmen's clocks, Detrex Watchclock Corp.
ECONO, *drycleaning soap, Package Chemical Co.,* Inc.
ECONO, sour, Diamond Alkali Co.
ECONO, synthetic solvent drycleaning unit, Vic *Cleaning Machine Co.*
ECONO-CAL, *drycleaning detergents, Caled Prod*ucts Co., Inc.
ECONOFEED, boiler feed pump and condensate return system, Hapman-Dutton Corp.
ECONOMASTER, *boiler, Hapman-Dutton Co.,*
ECONO-MATIC, drycleaning unit, Prosperity Co., *Inc.*
ECONOMIC, boilers, Erie City Iron Works
ECONOMIST, *boiler, Hapman-Dutton Co.*
ECONOMITE REGISTERS, autographic registers, *Autographic Register Co.*
ECONOMIZER, *boiler, Hapman-Dutton Co.*
ECONO MOISTLESS, paper bands, Economy Tablet & Paper Co.
ECONOMY, drycleaner's bag, Diem & Wing Paper *Co.*
ECONOMY, hanger bar covers, Phoenix Products Co.
ECONOMY, marking pins, Keyes-Davis Co.
ECONOMY MODEL PARIS, *steam-air garment* finisher, Garment Finishing Equipment Corp.
ECONOMY SOUR, *laundry sour, Speedlite Chem*icals Co., Div. Patek & Co.
ECONO-PAK, small-order register, Econo-Pak Register Co.
ECONO-PER, *cold synthetic drycleaning unit, Vic Cleaning Machine Co.*
ECONO-SCOOP, steel weighing hand scoop, Blenco Co.
ECONOTEX, nylon press covers, X. S. Smith, Inc.
ECONO-THERM, *type V automatic reseating* "P & T" relief valve, A. W. Cash Valve Mfg. *Corp.*
ECONOTHERM, steam boilers, Hapman-Dutton *Co.*
EFELO, finishing equipment, Draper-Eze Equip*ment Co.*
EGAN, ironer and press padding, feed ribbons, Egan Cotton Mills
EGRY ELITE, register, business system, Egry Register Co.
8-A, *synthetic drycleaning uniti, Prosperity Co.,* Inc.
8B, cleaning units, Prosperity Co., Inc.
8C, cleaning units, Prosperity Co., Inc.
1838, *marking ink, liquid laundry blue, Eaton* Chemical & Dyestuff Co.
880, *spray-dried, free flowing white granules,* Lever Brothers Co.
886, strong soap formula, R. R. Street & Co., Inc.
8400, nylon press cover cloth, Whitehouse Nylon Products
EIGHTEEN COVERDUX, *duck for flatwork iron*ers, Tingue, Brown & Co.
EJEX, wetcleaning soap, Dello Products Co.
ELAINE, red oil (oleic acid), Emery Industries, Inc.
ELANITE, laundry soaps, Los Angeles Soap Co.
ELASTIGUM, *roof cement, roof coating, Barrett Div., Allied Chemical & Dye Corp.*
ELCCO, drycleaning presses, press head cleaners, puffers, spotting boards and tables, valves, Intercontinental Mfg. Co., Inc.
ELCONITE, *standard greensand zeolite, Elgin* Softener Corp.
ELECTRO, *water conditioner, Stomac Engineering* Co., Inc.
ELECTROFLUID, motorized hydraulic drive, Link-Belt Co.
ELECTRO LIFT, hoists, Electro Lift, Inc.
ELECTROMANUAL, *washer, Troy Laundry Ma*chinery Div., American Machine & Metals, Inc.
ELECTROMATIC, vacuum spotting board, U. S. Hoffman Machinery Corp.
ELECTROMATIC, washer, Troy Laundry Machinery Div., American Machine & Metals, Inc.
ELECTRO-MEND, mending machines and tabs, *Simmons Machine Co.*
ELECTRO NEUTRALIZER, water-conditioning *apparatus for steam boilers, Electro Chemical* Engineering Co., Inc.
ELECTRUNITE, stainless steel tubing, Republic Steel Corp.
ELGIN, water softening and conditioning equip*ment and chemicals, water filters, deaerating* heaters, Elgin Softener Corp.
ELITE, *covercloth for ironers and presses, Tingue,* Brown & Co.
ELITE, nylon nets, Fablok Mills, Inc.
ELITE TRU-PAK, autographic register, Egry Register Co.
ELLIOTT, *addressing machines, Elliott Address*ing Machine Co.
ELLIS, laundry machinery, Ellis Drier Co.
ELMO, stripper, A. L. Wilson Chemical Co.
ELNA, *sewing, mending machine, Mark-O Corp.*
ELTOREX, taste and odor removal zeolite, Elgin *Softener Corp.*
EMERALD, felt, flannel, Pittsburgh Waterproof Co.
EMERSOL, stearic acid, Emery Industries, Inc.
EMPIRE, *firebrick, A. P. Green Fire Brick Co.*
EMPIRE, *steam traps, American District Steam* Co., Inc.
EMULSIVE, wheat starch, Keever Starch Co.
ENDOR, steam tumbler, Hammond Laundry-*Cleaning Machinery Co.*
ENDURO, coil-spring press pad, Zeidler Mfg. Co.
ENDURO, stainless steel, Republic Steel Corp.
ENERGETIC W-100, soil emulsifier, Armour & Co., Industrial Soap Dept.
ENERGEX, drycleaning detergent, Pennsylvania *Salt Mfg. Co.*
ENERGY, gas-fired air heater for drycleaning equipment, Norman Control Co.
ENGINAIR, compressor, Westinghouse Air Brake Co., *Industrial Products Div.*
ENZYMERSE, *enzymic digester, George E. Mead* Co.
EOSOL, paint, oil and grease remover, Krasan Products, Inc.
ERAD-INK, *ink remover, A. L. Wilson Chemical* Co.
ERADOL, *color stripper, National Cleaners Chem*ical Mfg. Co.
ERASINE, *ink remover, Lewis National Corp.*
ERIE CITY, boilers, underfeed stokers, Erie City *Iron Works*
ERIFON, *flame retardant, E. I. du Pont de Ne*mours & Co., Inc.
ERMCO, rug conveyor and equipment, American Laundry Machinery Co.
ERMINE, *starch, Washine National Sands, Inc.*
ERUSTICATOR, rust stain remover, Pennsylvania Salt Mfg. Co.
ERUSTO, spot and stain remover, dry and wet-*cleaning soaps, laundry sour, Pennsylvania Salt* Mfg. Co.
ERUSTO-CETIC, *sour for wetcleaning, Pennsyl*vania Salt Mfg. Co.
ERUSTOCIDE, laundry sour, Pennsylvania Salt Mfg. Co.
ERUSTO DDT EMULSION, *insecticide, Pennsyl*vania Salt Mfg. Co.
ERUSTO ENERGEX, drycleaning products, Pennsylvania Salt Mfg. Co.
ERUSTOLIN, laundry sour, Pennsylvania Salt *Mfg. Co.*
ERUSTO LIQUI-BLUE, laundry blue, Pennsylvania Salt Mfg. Co.
ERUSTO-MAX, laundry sour, Pennsylvania Salt *Mfg. Co.*
ERUSTO-RAY, laundry sour Pennsylvania Salt *Mfg. Co.*
ERUSTO SALTS, laundry sour, Pennsylvania Salt Mfg. Co.
ERUSTOSOL, laundry sour, Pennsylvania Salt Mfg. Co.
ESCO, *high pH soap builder, Cowles Chemical Co.*
ESCOFOS, soap regenerator, Cowles Chemical Co.
ESCOLITE, medium pH soap builder, Cowles Chemical Co.
ESCOLLOID, *medium pH soap builder, Cowles* Chemical Co.
ESCOL 77, *high pH soap builder, Cowles Chemi*cal Co.
ESCOMO, liquid blue, Cowles Chemical Co.
ESCO-SAVON, hot-water soap (east of Rockies only), Cowles Chemical Co.
ESPECCO, *solvent, starches, Superior Products Co.*
ESSICK, evaporative coolers, Essick Mfg. Co.
ESSO BOND, air-setting, high-temperature cement, Ramtite Co.
ETERNIT, asbestos-cement sheets for roofs and sidewalls, Ruberoid Co.
ETERNIUM, *pitch base paint, Barrett Div., Allied* Chemical & Dye Corp.
ETHRO, rug and carpet shampoo, North Coast Chemical & Soap Works
EULANS, mothproofing agents, General Dyestuff Corp.
EURECO, ventilating system, Eure & Co.
EUREKA, *belt dressing, Standard Oil Co.*
EUREKA, *marking pins, Keyes-Davis Co.*
EUREKA, wetcleaning laundry powder, *North* Coast Chemical & Soap Works
EVALPAK, valve packing, Edward Valves, Inc., *Subsidiary Rockwell Mfg. Co.*
EVALTHRUST, valve bushings, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
EVAPO-GAS, fumigant, Nycco Products Co.
EVERDUR, *copper silcon alloy, American Brass* Co., American Metal Hose Branch
EVERLASTIC, roofing, Barrett Div., Allied Chemical & Dye Corp.
EVER-LITE, *lighting fixtures, Ever-Lite Co.*
EVER MOIST, dampening device, Time Savers, *Inc.*
EVER-MOIST, *coated nylon containers, F. H.* Bonn Co.
EVERREADY, hat and garment boxes, Automatic Paper Box Corp.
EVERWEAR, *padding for flatwork ironers,* Tingue, Brown & Co.
EVRTYTE, steel valves, Strong, Carlisle & Hammond Co.
EWART, *detachable link belt chain, Link-Belt Co.*
EWING PONY, wood pony laundry washer, R. *Ewing & Sons, Inc.*
EXACTO, pre-numbered marking tags, hanger racks, loop assembly hooks, clips, belt wheel, rack dividers, counting devices, staples and stapling machines, *Identification, Inc.*
EXCELAL, *starch finish, Eaton Chemical & Dye*stuff Co.
EXCELL-O, cellophane tying ribbon, Freyberg Bros.-Strauss, Inc.
EXCELSIOR, *hatters' and steam spotting, finishing* equipment, Excelsior Machinery Co.
EXCELSIOR BINN CALLVEYOR, Excelsior Machinery Co.
EX-GO, *stain remover, A. L. Wilson Chemical Co.*
EXHAUSTEAM, steam purifier, Morehead Manu*facturing Co.*
EXIDE, storage batteries, Electric Storage Battery Co.
EXIDUST, industrial vacuum cleaners, Lamson Corp., Blower Div.
EXPANDO, *collar supports, Time Savers, Inc.*
EXPELSOR, pneumatic sewage ejector, Yeomans Bros. Co.
EXSIZE-T, starch-removing desizing agent, Pabst *Brewing Co., Industrial Products Div.*
EX-SOIL-O, drycleaning soap, Davies-Young Soap Co.
EXTRACTETTE, extractor, Cook Machinery Co., *Inc.*
EXTRACTING WASHER, washing and extraction *in one operation*, Butler Mfg. Co.
EXTRA SOLUBLE COLORFIXE, sours, H. Kohnstamm & Co., Inc.
EXTRON, drycleaning washer extractor, units U. S. Hoffman Machinery Corp.
EXZYME, *enzymic spotting agent, Pabst Brewing* Co., Industrial Products Div.
EYE-OPENER, service indicator tags, Liberty Marking Tag Co., Inc.
E-Z GRIP, *extra collar control, Star-Service* Hanger, Div. L. A. Young Spring & Wire Corp.
EZ-OFF, metal cleaner, Boston Clip & Tag Co.
E-Z SQUEEZE, water spray gun, Dryco Corp.
E-Z TO SEW, pillow ticks, Zuckerberg Co.
EZY, drycleaning press, Prosperity Co., Inc.
EZY-KLEEN, *strainers for pumps and pipelines,* Blackmer Pump Co.

F

F.B., loose-leaf holders, Speed Products Co., Inc.
F.B.C., *drycleaning detergent, Fry Bros. Co.*
FF, tickings, Freund, Freund & Co.
F & E, *underfeed stokers, Flynn & Emrich Co.*
FABLOK, premium nylon nets, Fablok Mills, Inc.
FABRICARE, drycleaning finishing equipment, Bishop David Freeman Co.
FABRICHEAD, *puff irons, Excelsior Machinery Co.*
FABRI CLENE, drycleaning detergents, Lincoln Research, Inc.
FABRICOL, drycleaning detergent, R. R. Street & *Co., Inc.*
FABRIC-RENEWING, press plates, Bishop David *Freeman Co.*
FABRIC-SAFE, press plate, Bishop David Freeman Co.
FABRI FIN, fabric conditioner, Lincoln Research, Inc.
FABRI LUBE, *stain sealer, Lincoln Research, Inc.*
FABRI PELS, water repellents, Lincoln Research Inc.
FABRI SIZES, dry and wet sizings, Lincoln Research, Inc.
FABRIT, heat-sealing mending tape, Madison *Products Co., Lucas Products Co.*
FABTEX, *water repellent, Merson Products Co.*
FAB-TEX, water repellent, Spix Products Co.
FAIRBANKS, valves, trucks, casters, wheels, Fairbanks Co.
FAIRBANKS-MORSE, *pumps, motors, engines,* stokers, Fairbanks Morse & Co.
FAMILY WORK STARCH, laundry starch, Keever Starch Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

FAMOUS 50, hand numbering machine, Roberts Numbering Machine Co.
FAN-PAC, packaged ventilation, DeBothezat Fans Div., American Machine & Metals, Inc.
FANTOM-BANTAM, invisible identification system, National Marking Machine Co.
FANTOM-FAST, invisible identification system, National Marking Machine Co.
FANTOM-MASTER, invisible identification system, National Marking Machine Co.
FASEL, prespotter, Package Chemical Co.
FASHION-AIRE, steam and air finishing, U. S. Hoffman Machinery Corp.
FASTOGENE, textile finishes and assistants, American Aniline Products, Inc.
FAWR, accessory equipment, Fawr, Inc.
FEATHER, air compressor valves, Worthington Pump & Machinery Corp.
FEATHERLIGHT, New York Pressing Machinery Corp.
FELAN, durable water-repellent finish, E. I. du Pont de Nemours & Co., Inc.
FELTEX, nylon D. F. flannel, Gibraltar Fabrics, Inc.
FEND, protective hand cream, Mine Safety Appliance Co.
FEROCATOR SALTS, laundry sour, Pennsylvania Salt Mfg. Co.
FERRENEWO, angle check and globe valves, Lunkenheimer Co.
FERRO, sours, Diamond Alkali Co.
FERROSAND, iron-removal filters, Hungerford & Terry, Inc.
FIBERGLAS, spun glass yarn for fabrics and insulating, Owens-Corning Fiberglas Corp.
FIBEROLLS, for use with marking machines, Textile Marking Machine Co., Inc.
FIELD, draft controls, Conco Engineering Works, Div. H. D. Conkey & Co.
FIELDEN, liquid level control instrument, Fielden Instrument Corp.
50-FOLD, concentrated drycleaning soap, National Cleaners Chemical Mfg. Co.
FILPRO, vacuum still, U. S. Hoffman Machinery Corp.
FILTERMASTER, solvent filters, Hopkins Equipment Co.
FILTER-SOL, liquid drycleaning soap, Davies-Young Soap Co.
FILTERSTILL, filters, Martin Equipment Co., Div. American Laundry Machinery Co.
FILTROL DC, adsorbent filter aid, Filtrol Corp.
FILTROLENE, synthetic drycleaning soap, Slater-Robbins Co., Inc.
FILTRON, electronic filter, U. S. Hoffman Machinery Corp.
FILTROSAN, drycleaning soap, Stoddard solvent, Slater-Robbins Co., Inc.
FILT-R-OUT, liquid drycleaning soap, Caled Products Co., Inc.
FINISH 21, dye fixer, Apex Chemical Co., Inc.
FINNELL, starch reclaimer, Lewis National Corp.
FIREBOX, coal, oil, gas stokers, high and low pressure, Kewanee Boiler Corp.
FIRE-CHEX, roofing shingles, Philip Carey Mfg. Co.
FIREITE, asbestos furnace cement, Johns-Manville
FIREYE, safeguards, controls, Combustion Control Corp.
FIREFLY, asbestos pads, Firefly Asbestos Products Co.
FIRE GUARD, insulation, Philip Carey Mfg. Co.
FIRE GUN, fire extinguishers, America-La France-Foamite Corp.
FIT-ALL, sleeve forms, Davis Specialties, Inc.
5-L, laundry starch, Clinton Foods Inc.
527 SPOTTER, all-purpose spotter, Dixo Co.
FLAG-O-MATIC TAGS, for the marking tags, Philip L. Braun, Inc.
FLAG-TAGS, special tags, Stry-Lenkoff & Co.
FLAIR, sport shirt pack, Scientific Packages, Inc.
FLALON, nylon flannel for press pads, Burgess-Berliner Associates
FLAME CHEK, flameproofing agent, Chek Products, Inc.
FLAME PROOF XWX, flameproofing agent, Apex Chemical Co., Inc.
FLAMONEL, Monel press pads, Resillo Co.
FLAN-L-TEX, metal press pads, X. S. Smith, Inc.
FLASH, hand-type tape sealing machine, Time Savers, Inc.
FLASH, shirt packages, Scientific Packages, Inc.
FLETCHER, extractor, Fletcher Works, Inc.
FLEXO, built powder, Swift & Co., Industrial Soap Dept.
FLEXCO, belt fasteners, Flexible Steel Lacing Co.
FLEXIMATIC, linen folder, Troy Laundry Machinery Div., American Machine & Metals, Inc.
FLEXITE, rubber buckets, dippers, funnels, B. F. Goodrich Co.
FLEXOL, starch, Washine National Sands, Inc.
FLEXOL DOP, plasticizer to soften hardened waterproof innerlinings, Eaton Chemical & Dyestuff Co.
FLEXON, corrugated expansion joints, Flexonics Corp.
FLEX V, belt fasteners, Flexible Steel Lacing Co.
FLIK, paint, oil and lipstick remover, Stamford Chemical Co.
FLINT CHIPS & POWDER, neutral soaps, Armour & Co., Industrial Soap Dept.
FLOATS OFF, liquid synthetic detergent, J. Holcomb Mfg. Co.
FLO-KLEAR, soap for charged systems, Pennsylvania Salt Mfg. Co.
FLOORKOTE, enamel, Tropical Paint & Oil Co.
FLOORMASTER, trucks, Lewis-Shepard Products, Inc.
FLOOR-VEYOR, permanent installation power belt conveyor, Rapids-Standard Co., Inc.
FLORIENT, room deodorant, Colgate-Palmolive Co.
FLOW-CLEAN, washer-extractor, Fletcher Works, Inc.
FLOW-MASTER, continuous speed rail fittings, Flow-Master Machine Corp.
FLOWRATER, solvent meter for filters, Fischer & Porter Co.
FLOW-RINSE, drycleaning extractor-rinser, Fletcher Works, Inc.
FLUFFED EDGE, padding cotton, Pittsburgh Waterproof Co.
FLUFTEX, fabric conditioner, textile softeners, National Textile Chemical Co.
FLUORIUM, fluorescent fabric finish, Beach Soap Co.
FLUSH, fatty acid eliminated (liquid) Dello Products Co.
FLUTRON, ruffle ironer, Maxant Button & Supply Co.
FOAMANEL, sponge press pads, Resillo Co.
FOAM-ASBESTOS, foam rubber laminated drycleaning pads, Gustin-Kramer Co.
FOAMEX, neutral lubricant, Benda Products, Inc.
FOAMITE, fire extinguishers, American-La France-Foamite Corp.
FOAMSUDS, liquid coconut soap, E. F. Drew & Co., Inc.
FOLD-A-WAY, shirt baskets and trucks, Time Savers, Inc.
FOLD-FAST, folders, Troy Laundry Machinery Div., American Machine & Metals, Inc.
FOLD-KING, shirt-folding device, Time Savers, Inc.
FOLDMASTER, small piece flatwork folder, American Laundry Machinery Co.
FOLDRITE, flatwork folder, American Laundry Machinery Co.
FOLDRITE, shirt folding and finishing equipment, Time Savers, Inc.
FOOT-EEZ, rubber health mat, American Floor Products Co.
FOOTROL, switches, General Control Co.
FORCE-FLO, blast type convector with fan, Trane Co.
FORD, gasoline trucks and engines, Ford Motor Co.
FORMANIL, aniline dyes, American Aniline Products, Inc.
FORMATIC, automatic shirt folder, American Laundry Machinery Co.
FORMATIC, shirt finishing equipment, American Laundry Machinery Co.
FORM-A-TIME CONTROL, washer timer, Van Chemical Co.
FORMATROL, cycle timer, automatic washer control, Prosperity Co., Inc.
FORM FIT, garment hangers, Pacific Coat Hanger Mfg. Co.
FORMFIT, shirt protectors, Sutherland Paper Co.
FORM-MASTER, payroll system, Todd Co., Inc.
FORMMASTER, portable forming machine, Walter, Haertel Co.
FORM-RITE, collar shaper, Huebsch Mfg. Co. Div. American Laundry Machinery Co.
FORMULA CONTROLS, INC., formula control for washers, Formula Controls, Inc.
FORMULA E-23, concentrated detergent, Marshall Co.
FORMULA 880, spray-dried, free flowing white granules, Lever Brothers Co.
FORMULA 886, strong soap formula, R. R. Street & Co., Inc.
FORMULA 1954, 4% clear, no-rinse charge, Marclene Products Corp.
FORMULA 177, synthetic soap powder, West Side Corp.
FORMULA S, built, powdered, low-titer soap, and fur cleaning supplies, Swift & Co., Industrial Soap Dept.
FORMULA 770, spray-dried to homogeneous free-flowing beads, Lever Brothers Co.
FORMULA 60, high-titer laundry soap, New South Mfg. Co., Inc.
FORMULA 12, drycleaning soap, Package Chemical Co., Inc.
FORMULA W-51, ink remover, A. L. Wilson Chemical Co.
FORSE MASTER, presses, laundry and drycleaning equipment, Forse Equipment Corp.
FOSKLOR, chlorinated sodium phosphate, Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.
FOSTER-STEPHENS, window posters, photo truck-posters, sales promotion material, newspaper mats, Foster-Stephens, Inc.
FOUR-ACES, synthetic wetcleaner in powder form, National Cleaners Chemical Mfg. Co.
400, liquid drycleaner, Adco, Inc.
411, powdered synthetic detergent, Armour & Co.
460, power conveyor, Richards-Wilcox Mfg. Co.
FOUR STAR, wheat paste starch, Keever Starch Co.
422, built anionic synthetic detergent, Armour & Co.
FOXBORO, indicating, recording, controlling instruments, Foxboro Co.
FRACTO-CRETE, castable refractory, Ramtite Co.
FRANKLIN, steel products, Bernard Franklin Co., Inc.
FRANKLIN'S, cement treatment, cleaners, polishes, waxes, wood seal, Franklin Research Co.
FRE-BIR-PAC, cloth counters, automatic towel and diaper counters, Fre-Bir-Pac, Inc.
FREE-FLO, drycleaning pressure filter, Gross Machinery Co., Inc.
FREEMAN "NO GLAZE", fabric-safe double-plates, drycleaners press plates, lusterplate double plates, Bishop David Freeman Co.
FREE-VANE, air-operated controller, Bristol Co.
FREE-VANE, electric controller, Bristol Co.
FREMONT, rubber floor tile, mats, matting, Fremont Rubber Co.
FRESH-AIR MAKER, fans, blowers, Schwitzer-Cummins Co.
FREUND, tickings, Freund, Freund & Co., Inc.
FRIGIDAIRE, air conditioners, Frigidaire Div., General Motors Corp.
FRINGE-IT, fringe cleaner, Certified Chemical & Equipment Co.
FRONTIER BRAND, specialties, Riverside Chemical Co., Inc.
FROST-PROOF, pipe covering and blocks, Ruberoid Co.
FRUGAL, soap, Minnesota Chemical Co.
FRYBRO, black indelible marking ink, ironer oil, Fry Bros. Co.
FRYE, dye dippers, E. B. Frye & Son
FRY'S SPECIAL, clipper laced aprons, Fry Bros. Co.
F. S. RUBBER MARKERS, colored identification markers, Skrandel Co.
FUEL-SAVER, boilers, International Boiler Works Co.
FULFLO, filters for industrial fluids, gases and compressed air, Commercial Filters Corp.
FUL-FLO, laundry nets and fabrics, Davis Mills Inc.
FULLMATIC, washers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
FULTON, laundry nets, Southern Mills, Inc.
FULTON, small-horsepower steam boilers, Fulton Boiler Works, Inc.
FUME-FITE, acid resisting enamel, Tropical Paint & Oil Co.
FUMOL, mothproofing agent, Fumol Corp.
FUMOL SILICONE, water repellent, Fumol Corp.
FUR CLENE, fur cleaning solvent, Walter Haertel Co.
FUR-E-OIL, re-oiling and softening agent for furs and leathers, Package Chemical Co., Inc.
FUR-FEEL, pile fabric process, Fur-Feel Process Corp.
FUR FROST, cleaner for deep-pile fur fabrics, White Frost Chemicals, Inc.
FURLON, fur glaze, Nyeco Products Co.
FURNAS-CRETE, castable refractory, Mexico Refractories Co.
FUR-RAY, fur cleaner and reconditioner, Jay-Dee, Inc., Mfg. Chemists
FUR SHEEN, fur cleaner, Walter Haertel Co.
FYR-FEEDER, stokers, American Coal Burner Co.

G

GFD'S, hot air dryers, Hoyt Mfg. Corp.
GFTT, gas power fork truck, Lewis-Shepard Products, Inc.
G & G, liquid or powdered stripper, bleacher, G & G Chemical Co.
GOP, grease, oil and paint remover, Eaton Chemical & Dyestuff Co.
GABRIEL, boilers, heat exchangers, pressure tanks, Gabriel Boiler & Fabrication Co.
GARCO, hangers, wire trouser guards, collar supports, Garment Hanger Co.
GARD, combined flameproofing and mothproofing agent, U. S. Chemical Products Co.
GARDNER-DENVER, air compressors, pumps, Gardner-Denver Co.
GAS-HEAT, recirculators, Kisco Boiler & Engineering Co.
GASWAY, gas and steam heated flatwork ironers, Gasway Corp.
GATES, heavy duty industrial V-belts, Gates Rubber Co.
GAVSCO, valves, Golden-Anderson Valve Specialty Co.
GEEP, wet and dry spotter Keystone Aniline & Chemical Co., Inc.
GELATONE, liquid size and finish, R. R. Street & Co., Inc.
GEM, grease cups, Lunkenheimer Co.
GEMZYME, enzymic digester, George E. Mead Co.
GENERAL, fire trucks, General Detroit Corp.
GENERAL, perchlorethylene drycleaning units, Martin Equipment Co., Div. American Laundry Machinery Co.
GENERAL, liquid soap dispenser, General Equipment Co.
GENERAL ELECTRIC, electrical equipment, General Electric Co.
GENERAL FORMULA, general formula, Lustrol Drycleaning Products, Div. Patek & Co.
GENERAL FORMULA, stain remover, G & G Chemical Co.
GENERAL FORMULA 209, spotting agent, R. R. Street & Co., Inc.
GERMITEX, sour, Hood Chemical Co., Inc., Crescent Div.
GIANT, built high-titer soap powder, Armour & Co., Industrial Soap Dept.
GIANT, hydraulic extractor, Strike's Laundry Machinery, Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

GIANT, net pins, Keyes-Davis Co.
GIBRALTAR, marking and printed tags, Commercial Tag Co.
GIBRALTAR, nylon flatwork ironer tape, Gibraltar Fabrics, Inc.
GIBRALTAR TRI-PRONG CLIP, skirt hanger fastener, Commercial Tag Co.
GIFCO, tags, H. M. Gifford Mfg. Co.
GI-GR-NITE, casters, Clinton Products Co.
GILMER, V-belts, flat belting, woven belting, New York Belting & Packing Co.
GILT EDGE, round leather belting, I. B. Williams & Sons
GLAMORENE, rug cleaner, rug brush, foam upholstery cleaner, Glamorene, Inc.
GLAZEEN, fur glazing fluid, Package Chemical Co., Inc.
GLAZOLENE, fur luster, Nycco Products Co.
GLEEM, liquid wetcleaning soap, Trico Chemical Div., Tri-State Equipment Co.
GLENN ANDERSON, paper collar supports, Anderson Collar Support Co.
GLIDE, ironing surface lubricant, Patek & Co.
GLIDE LINER, pressing machines, laundry power presses, Unipress Co.
GLIDE-O-MATIC, shirt-finishing unit, Unipress Co.
GLIDER, electric irons, J. W. Steele & Co.
GLIDER, pressing machine, Loyal Textile Machinery Corp.
GLIM, detergent, General Aniline & Film Corp., Special Products Sales Div.
GLISS'N, cleaning compounds, mothproofing, Gliss'n Products Co., Inc.
GLOBE, drycleaning marking and strip tags, Globe Ticket Co. of New England
GLOBE, laundry, drycleaning washers, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
GLORY, tallow soap chips, Swift & Co.
GLO-SOAP, drycleaning soap, Starr Soap & Chemical Co., Inc.
GLOSSTEX, canvas products, C. R. Daniels, Inc.
GLOVER, cleaners' specialties, Bill Glover, Inc.
GLOVER, automatic air form finishing unit, Bill Glover, Inc.
GLUV-NU, glove soap, Davies-Young Soap Co.
GLYD-ON, shirt clip, Time Savers, Inc.
GMC TRUCKS, motor trucks, GMC Truck & Coach Div., General Motors Corp.
GO-BACK, basket conveyor, Time Savers, Inc.
GO-BACK, conveyors for flatwork presses, Rosenthal Mfg. Co.
GOLDEN FLAKE, laundry soaps, Fry Bros. Co.
GOLD-FLO, boilers and condensation return system, Goldman Pressing Machinery Corp.
GOLD LINE, laundry fabric, Tingue, Brown & Co.
GOLD MEDAL, hatters' chemicals, machinery, Hatters Supply House, Inc.
GOLD MEDAL, laundry nets, Southern Mills, Inc.
GOLDSEAL, colored specialty tapes, Gummed Tape & Devices Co.
GOLD STAR, feed ribbons, New York Belting & Packing Co.
GOMACO, non-slip trouser guard, Goldman Mfg. Co.
GOOD FORM, garment hangers, Pacific Coat Hanger Mfg. Co.
GOODRICH, rubber hose, belting, packing, B. F. Goodrich Co.
GOOSENECK, garment bagger, A. G. Vara & Son, Inc.
GORTON, air eliminators, Gorton Heating Corp.
GOVERNOR, nylon net, knitted, Gibralter Fabrics, Inc.
GRAKO, belt dressing, Graton & Knight Co.
GRAND, hatters' equipment, supplies, Maxant Button & Supply Co.
GRANOLITH, paint for brick, concrete, stucco, Barreled Sunlight Paint Co.
GRANTHAM, tumbler, T. L. Smith Co.
GRANUWAX, granulated wax, Lewis National Corp.
GRAVES & MARSHALL, water heaters, heat exchangers, pressure and storage tanks, Graves & Marshall Co.
GREASEX, solvent oil for industrial washing, Patek & Co.
GREASOLV, oil, paint, grease remover, Edelmuth Mfg. Chemists
GREAVES, silent bakelite gears, milling machines, Greaves Machine Tool Co.
GREENBACK, apron duck, John T. Stanley Co., Inc.
GREEN BUBBLES, soap powder, Minnesota Chemical Co.
GREENCOTE, refractory maintenance coating, A. P. Green Fire Brick Co.
GREEN GLO, oil soap, Allen B. Wrisley Co.
GREEN LABEL, builder compound, Solvay Sales Div., Allied Chemical & Dye Corp.
GREEN OLIVE, soap, Rome Soap Mfg. Co.
GREENSTRIPE, cover cloth, John T. Stanley Co., Inc.
GREEN STRIPE, padding, William E. Hooper & Sons
GREENZYME, digestive enzyme, Greenville Chemical Co.
GREIF, hangers, guards, Greif Bros. Cooperage Corp., Wire Garment Hanger Div.
GRESOL, break powder, Speare Co.
GREYHOUND, extractor, synthetic washer, washwheel, Hercules Laundry Machinery Co., Inc.
GREY-ROCK, brake lining, clutch facings, brake blocks, Raybestos-Manhattan, Inc.
GRIMES, air compressors, Grimes Co.
GRIPNET, nylon net closures, Keyes-Davis Co.
GRIPPER, snap fasteners, Oakville Co., Div., Scovill Mfg. Co.
GRIPPO, slip-resistant trouser guard, Patek & Co.
GRIPPO GUARD, trouser guards, L. M. Leathers' Sons
GRIPTEX, liquid rubber, Adhesive Products Corp.
GRIPTITE, bagging rod clamp, Bishop David Freeman Co.
GRIP-TITE, marking tags, Liberty Marking Tag Co., Inc.
GRIPTITE, rug pole hangers, American Laundry Machinery Co.
GROMMET GRIP, reinforced grommets for nylon nets, Gibraltar Fabrics, Inc.
GROSS, drycleaning extractors, filters, tumblers, washers, Gross Machinery Co., Inc.
GROOSAIR, open-end tumbler, Gross Machinery Co., Inc.
GROSS-EX, drycleaning washer-extractor, Gross Machinery Co., Inc.
GROSS-OMATIC, safety petroleum drycleaning unit, Gross Machinery Co., Inc.
GROSS STAR, grid plates, electric steam irons, ironing boards and tables, asbestos covers and pads, floor matting, L. Behrstock Co.
GROSS-X, tumbler, Gross Machinery Co., Inc.
G-SEAL, pipe joint compound, Quigley Co., Inc.
G-SOL, drycleaning soap, G & G Chemical Co.
GUARANTEED, built, powdered high-titer laundry soap, Swift & Co., Industrial Soap Dept.
GUARDIAN, nylon nets Fablok Mills, Inc.
GUARDIAN, hanger covers, shirt bands, garment bags, trouser guards, Great Eastern Paper Converters, Inc.
GUARDSMAN, watchclock, Detex Wachclock Corp.
GULF, petroleum and Stoddard solvents, rust preventatives, greases and lubricating oils, Gulf Oil Corp.-Gulf Refining Co.
GUMCRAFT, gummed, mending and printed tapes, Gummed Tape & Devices Co.
GUTH FLUORESCENT, fluorescent lighting equipment, Edwin F. Guth Co.
GUTH GERM-KILLING LIGHTS, bactericidal lighting equipment, Edwin F. Guth Co.
GYROL, fluid drive, transmission-variable speed, American Blower Corp., Div. American-Standard

H

H, water soluble grease, Keystone Lubricating Co.
H & A, size, H. & A. Sizing Co.
HCR, high capacity cation exchanger, National Aluminate Corp.
HD, belt fasteners, Flexible Steel Lacing Co.
H.K., water repellent, H. Kohnstamm & Co., Inc.
HTH, granular bleach, Olin Mathieson Chemical Corp.
HTH, soda bleach mix, calcium hypochlorite with soda base, Olin Mathieson Chemical Corp.
HW, liquid soap, Eaton Chemical & Dyestuff Co.
HAERTEL, fur cleaning material, equipment, trucks, fumigation cabinet, garment racks, fur vault door, Walter Haertel Co.
HAGAN, combustion control for boilers, Hagan Corp.
HAGAN RING BALANCE, flow meters, Hagan Corp.
HAIRBOUND, round belting, Graton & Knight Co.
HALOX, dry bleach, Wyandotte Chemicals Corp., J. B. Ford Div.
HALL, tanks and tubs, Amos H. Hall & Sons
HAMILTON, casters, dollies, racks, wheels, trucks, Hamilton Caster & Mfg. Co.
HAMILTON SPRING PADDING, spring padding for flatwork ironers and presses, American Laundry Machinery Co.
HAMILTON, dye kettles, extractor baskets, Hamilton Copper & Brass Works
HAMMEL-DAHL, valve controls, valves, Hammel-Dahl Co.
HAMMOND, washers, tumblers, etc., Hammond Laundry-Cleaning Machinery Co.
HAND-A-LOX, wire hanger holder, Time Savers, Inc.
HANDEE, presses, Forse Equipment Co.
HAND-FILM, protective hand cream, National Cleaners Chemical Mfg. Co.
HANDI, bundle and garment racks, Speare Co.
HANDIPAK, portable autographic register, Egry Register Co.
HANDIROL, mending tape, Gummed Tape & Devices Co.
HANDY, button and buckle covering equipment, Handy Button Machine Co.
HANDY, flatwork ironer, American Laundry Machinery Co.
HANDY, gate valves, Lunkenheimer Co.
HANDY, rubber markers, Zuckerberg Co.
HANDY HOOKS, garment hanger and household conveyors, Engineering & Production Specialties
HANDYPAK, day tags, Tagit Co.
HANG-A-LOX, wire hanger rack, Time Savers, Inc.
HANGER-TIES, hanger combiners, H. F. Hanscom & Co.
HANG-RITE, garment hangers, Waldorf Paper Products Co.
HANG-R-SHIELD, garment hanger cover, Sta-Neat Corp.
HAPMAN, conveyors, Hapman-Dutton Co.
HARWID, polyethylene, Olin Cellophane Div., Ecusto Paper Corp.
HAT SIZING, sizing for hatters, Warco Laboratories
HAUSER-STANDER, wood tanks, tubs, vats, Hauser-Stander Tank Co.
HAWKEYE, soap flakes, Iowa Soap Co.
HAYS, veriflow meter, visio-ratio gauge, Hays Corp.
HEARTH-CRETE, refractory material, Quigley Co., Inc.
HEART-OAK, leather belting, Graton & Knight Co.
H. E. FLUELESS, boilers, P. M. Lattner Mfg. Co.
HELE-SHAW, pumps, American Engineering Co.
HELMET, steel safety pins, Risdon Mfg. Co.
"HENRICI", glove forms and necktie presses, Henrici Laundry Machinery Co.
HERCULES, extractors, Haring & Stephens Co.
HERCULES, marking ink, H. Kohnstamm & Co., Inc.
HERCULES, Stoddard solvent and 140° F drycleaning units, washers, Hercules Laundry Machinery Co., Inc.
HERCULES CMC, sizing agent, Hercules Powder Co.
HERMAN, delivery truck body, Herman Body Co.
HERO, fire extinguishers, Bostwick Laboratories
HEV-E, combination oil and gas burner, Cleaver-Brooks Co.
HEXAGON, pads, covers, Stadham Co., Inc.
HEXAMO, prespotter, Riverside Mfg. Co.
HEXIKLOR, synthetic solvent drycleaning detergent, Krasan Products, Inc.
HEXITE, wetcleaning soap, Riverside Mfg. Co.
HEXOL, prespotter, Slater-Robbins Co., Inc.
HEXOLATE, alkali, soap builder, Lewis National Corp.
HI-BASEX A, zeolite, Hungerford & Terry, Inc.
HI-CAP, charge system detergent, Lustrol Drycleaning Products, Div. Patek & Co.
HI-CAP, steam traps, Strong, Carlisle & Hammond Co.
HICORY, soap, flaked or powdered, Los Angeles Soap Co.
HI-eF PURIFIERS, air & steam separators or purifiers, V. D. Anderson Co.
HI-FASHION, garment finisher, U. S. Hoffman Machinery Corp.
HIGH FLASH SHELL-SOL, naphtha petroleum solvent, Shell Oil Co., Inc.
HIGH-SPEED, curtain drier, drying tumbler, American Laundry Machinery Co.
HI-GRADE, leather belting, cement, dressing, Cornell Belting Co.
HI-INVERSAND, zeolite, Hungerford & Terry, Inc.
HI-JET, drycleaning, laundry washer extractor-drier units, U. S. Hoffman Machinery Corp.
HILD, rug and carpet shampooing equipment, animal stain remover, Hild Floor Machine Co.
HI-LITE, solvent soluble brightener, Lustrol Drycleaning Products, Div. Patek & Co.
HILO, built low-titer soap powder, Armour & Co.
HILO-CHROME, chrome-base bonding mortar, Mexico Refractories Co.
HILOSET, high-temperature bonding mortar, Mexico Refractories Co.
HI-LUSTRE, fur glazing fluid, Bernard Sirotta Co.
HI-SPEED RAIL, monorail system, Time Savers, Inc.
HI-SPEED, washer, Keystone Laundry Machinery Co.
HI-TEST, high-pressure welded boilers, Kewanee Boiler Corp.
HI-TEST, moth spray, Bernard Sirotta Co.
HI-TONE, non-ionic drycleaning detergent, hi-Tone Soap Co.
HI-V TRIPLEHEAD, new type triple head with split buck, Forse Corp.
HI-JET, drycleaning and laundry washer-extractor-drier units, U. S. Hoffman Machinery Corp.
HODGES, checking systems, Jack Hodges Specialty Co.
HOFFCO-VAC, portable vacuum cleaner, U. S. Hoffman Machinery Corp.
HOFFMAN, drycleaning, laundry machinery, U. S. Hoffman Machinery Corp.
HOFF-VAC, pedal-control vacuum spotting board, U. S. Hoffman Machinery Corp.
HOLDAPRES, trouser hanger, B & G Engineering Co.
HOLD-FAST, leather belt dressing, I. B. Williams & Sons
HOLTITE, collar supports, Wormstead, Smith & Loomis, Inc.
HOL-TITE, marking tags, Liberty Marking Tag Co., Inc.
HOLT WHIRLWIND, floor polishers, Holt Mfg. Co.
HOMO-FLEX, hose, belting, Raybestos-Manhattan, Inc.
HONEYCOMB, filter tubes for industrial fluids, gases and compressed air, Commercial Filters Corp.
HONEYWELL, humidity control system, Minneapolis-Honeywell Regulator Co.
HOODCLOR, bleach, Hood Chemical Co., Inc., Crescent Div.
HOOF, automobile and engine governors, Hoof Products Co.
HOOPERWOD, cotton press padding, nets, William E. Hooper & Sons
HOOSIER PEARL, corn starch, National Starch Products, Inc.
HOPE, tapes, belting, Hope Webbing Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

HOPKINS, washing machines, tanks, Hopkins Equipment Co.
HOPKINS ATOMIZER, spotter, Hopkins Equipment Co.
HOPKINS FILTER, horizontal, bag type filter, Hopkins Equipment Co.
HORN CRETE-FIX, floor resurfacer, A. C. Horn Co., Inc.
HORN DRI-N-TITE, roof coating, A. C. Horn Co., Inc.
HORN FUMEX, fume resistant coating for walls, ceilings, A. C. Horn Co., Inc.
HORNGLAZE, floor wax, A. C. Horn Co., Inc.
HORNOLITH, dustproofer for concrete floors, A. C. Horn Co., Inc.
HORSESHOE, shirt sorting bin, Time Savers, Inc.
HORWATH, laundry washers, Horwath Laundry Machine Mfg. Co.
HOT-SPOT, stick type press cleaner, Dello Products Co.
HOTT PATCH, heat-setting high-temperature cement, Ramtite Co.
HOWELL, sump pumps, oil burners, Kol-Master Corp.
HOYT, tumblers, Hoyt Mfg. Corp.
H. & T. MULTIPORT, valve automatic operation, Hungerford & Terry, Inc.
HUB, laundry marking tags, Boston Clip & Tag Co.
HUBER, overfeed stokers, Flynn & Emrich Co.
HUBINGER COMPOUND, corn starch, Hubinger Co.
HUEBSCH "42", open-end tumblers, Huebsch Mfg. Co.
HUMIDIGRAPH, direct-reading humidity recorder, Bristol Co.
HV-4, air vacuum system, U. S. Hoffman Machinery Corp.
HYAL, builders, George Stearns Chemical & Mfg. Co.
HYCON, professional dry bleach, Beach Soap Co.
HYDRAMITE, pumps, American Engineering Co.
HYDRAMIX, drycleaning soap, emulsifier, Edelmuth Mfg. Chemists
HYDRASOL, wetcleaning Celanese soap, Keystone Aniline & Chemical Co., Inc.
HYDRAULIC HANDLIFT and FOOTLIFT, trucks, Lewis-Shepard Products, Inc.
HYDRAXTOR, extractor, Hydraxtor Company, Div. Zephyr Laundry Machinery Co.
HYDRAZENE, rust remover, National Cleaners Chemical Mfg. Co.
HYDROPEL, naphtha-soluble waterproofing, National Cleaners Chemical Mfg. Co.
HYDRO-AIR, drycleaning press, Pantex Mfg. Co.
HYDROBREAK, laundry chemical, Diamond Alkali Co.
HYDRO CLARO, bleach, Lewis National Corp.
HYDROL, drycleaning detergent, Riverside Mfg. Co.
HYDROLATE, laundry chemical, Diamond Alkali Co.
HYDROLINE, booster and large condensate return, Peerless Pump Div., Food Machinery & Chemical Corp.
HYDROPEL GB, water repellent, National Cleaners Chemical Mfg. Co.
HYDROSITE, reducing bleach, Nu-Pro Mfg. Co.
HYDROSORB, solvent purifier, Stamford Chemical Co.
HYFLO SUPER-CEL, filter powder, Johns-Manville
HYFOAM, detergents, George Stearns Chemical & Mfg. Co.
HYGEA-PINE, pine oil disinfectant, Continental Car-Na-Var Corp.
HYGRADE, plastic buttons, Hygrade Button & Supply Co.
HY-LO, blanket washer, American Laundry Machinery Co.
HYPAC, bleach, Lewis National Corp.
HY-SET, high temperature bonding mortar, Mexico Refractories Co.
HY-SOL, soap builders, Thompson-Hayward Chemical Co.
HYSPAR, aluminum and white enamel underpaint, Midland Paint & Varnish Co.
HY-SPOT, substitute for chloroform, Slater-Robbins Co., Inc.
HYTEMPITE, high-temperature bonding mortar, Quigley Co., Inc.
HYTEXAL, built tallow soap, Allen B. Wrisley Co.
HY-V AIR JET, high-velocity concentrated cooling fan, DeBothezat Fans Div., American Machine & Metals, Inc.
HYWHITE, blue, Speare Co.
HY-WITE, laundry soap, H. Kohnstamm & Co., Inc.

I

I.D.N., iodine stain remover, Package Chemical Co., Inc.
IMO, rotary pump, De Laval Steam Turbine Co.
I-R, liquid spotter for ink stain removal, Caled Products Co., Inc.
I-R-C, lightweight insulating refractory castable and concrete, Mexico Refractories Co.
I.S., press clamp, slip chain, racks, Ink-O Products Co.
IXL, laundry soaps, Fry Bros. Co.
IDEAL, filter paste soap, National Cleaners Chemical Mfg. Co.
IDEAL, grease cups, Lunkenheimer Co.
IDEALITE, non-glare neon-type light, Ideal Lighting Co., Inc.
IDEAL STYLE A, laundry washer, American Laundry Machinery Co.
IGEPALS, synthetic detergents, General Dyestuff Corp.
IGEPONS, synthetic detergents, General Dyestuff Corp.
ILG, centrifugal and propeller fans, unit heaters, Ilg Electric Ventilating Co.
IMCO, drycleaning presses, press head cleaners, puffers, spotting boards and tables, valves, Intercontinental Mfg. Co., Inc.
IMPACTOR, valves handwheels, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
IMPERIAL, asbestos pipe covering and blocks, Ruberoid Co.
IMPERIAL, chest-type ironer, Imperial Laundry Machinery Co.
IMPERIAL, synthetic drycleaning unit, Prosperity Co., Inc.
IMPREGNOLE, water repellent, Warwick Chemical Co.
INCO, metal castings, fittings, tubings, nickel alloy fittings, castings, etc., International Nickel Co., Inc.
INCONEL, alloy of nickel and chromium, International Nickel Co., Inc.
INDEL-O-MARK, indelible automatic marking pen, Mark-O Corp.
INDIAN, laundry soap, North Coast Chemical & Soap Works
INDIVIDUAL PROCESS, ironer, Prosperity Co., Inc.
INDIVIDUAL PRODUCTION, washer, Prosperity Co., Inc.
INDUSTRIALITE, laundry soap, New South Mfg. Co., Inc.
INDUSTRIAL, fabric conditioner for wetcleaned garments, Namco Chemical Corp.
INDUSTRIAL, neutral soap chips and powder, Armour & Co.
INEX, laundry rinsing aid, H. Kohnstamm & Co., Inc.
INGERSOLL-RAND, compressors, blowers, pumps, Ingersoll-Rand Co.
INGRAIN, laundry starch, Industrial Grain Products, Ltd.
INKEX, writing ink remover, Patek & Co.
INK-GO, liquid oxidizing agent, A. L. Wilson Chemical Co.
INK-O, spotting aid, Ink-O Products Co.
INK-TWINS, wet or dry side spotters, Rusco Chemicals
INNER-PACK, steel split repair sleeves, Dresser Mfg. Div., Dresser Industries, Inc.
INSTANT, moth killer, Berlou Mfg. Co.
INSTITUTIONAL, fabric preservative, conditioner, Namco Chemical Corp.
INSTITUTIONAL, starch, A. E. Staley Mfg. Co.
INSTANT, tannin stain remover, Rusco Chemicals
INSULAG, plastic refractory lagging and finishing material for high-temperature equipment, Quigley Co., Inc.
INSULBRIX, insulating firebrick, Quigley Co., Inc.
INSULCRETE, refractory material, Quigley Co., Inc.
INTERCHANGABLE ASSEMBLY, F. W. I. assemblies of various types guaranteed for two years, Gibralter Fabrics, Inc.
INTERNATIONAL, chemical mixing machinery, tanks, International Engineering, Inc.
INTERNATIONAL, garment bags, International Paper Co.
INTERNATIONAL, trucks, diesel and gasoline engines, International Harvester Co.
INVADER, pumps, Schrimer-Dornbirer Pump Co.
INVERCARB, zeolite, Hungerford & Terry, Inc.
INVERSAND, water-softening minerals, water softeners, Hungerford & Terry, Inc.
INVINCIBLE, industrial vacuum cleaners, Invincible Vacuum Cleaner Mfg. Co.
IN-WEAVING, reweaving, In-Weaving Co. of America
IODASE, iodine stain remover, Greenville Chemical Co.
IONETTE, wet spotter and penetrant, Krasen Products, Inc.
IPCO, safety equipment, Industrial Products Co.
IRI-ZON, germicidal sour, Speedlite Chemicals Co., Div. Patek & Co.
IRON CITY, duck cover, Pittsburgh Waterproof Co.
IRON FIREMAN, stokers, gas and oil burners, Iron Fireman Mfg. Co.
IRONOIL, ironing surface lubricant, Patek & Co.
IRON OILITE, machine parts lubricating bearings, Amplex Div., Chrysler Corp.
IROQUOIS, safety pins, Risdon Mfg. Co.
IROQUOIS, soap, Lewis National Corp.
ISO-THERM, hot water heating system, Fred H. Schant Engineering Co.
ITSTIX, gummed tape Nashua Corp, Sure-Hold Div.
IVORY, neutral soap, Procter & Gamble Distributing Co.

J

J.F.S., variable speed reducers, Stephens-Adamson Mfg. Co.
J-M, packings, gaskets, Johns Manville
JACKSON SOLVAIR COOLER, solvent cooler, Samuel Jackson Mfg. Co.
JACOBSON, wholesale garment dyer, flameproofing, Lawrence Jacobson Dye Works, Inc.
JANET, necktie presses, glove forms, Henrici Laundry Machinery Co.
JAY BEE, super-duty firebrick, Mexico Refractories Co.
JAY-DEE, fur stretcher, fur and leather softener, mothproofing liquid, Jay-Dee, Inc., Mfg. Chemists
JAYSONET, nets, Jayson's-Div. Jayson Silk Mills
JEFFERSON ISLAND, salt, Jefferson Island Salt Co., Inc.
JEFFERSON THOROBRED, wood and metal laundry and drycleaning washers, Laundry Machinery Div., Jefferson Wood Working Co.
JET, drycleaning equipment, U. S. Hoffman Machinery Corp.
JET FIRE, (Hammond) gas laundry tumbler, Hammond Laundry-Cleaning Machinery Co.
JETINE, marking ink, H. Kohnstamm & Co., Inc.
JET SELFEED, dispenser for filter powder and activated carbon, Infilco, Inc.
JETVERTIZER, wrapping paper printer and dispenser, J. J. Connolly, Inc.
JETVEYOR, steam jet ash conveyor, Brady Conveyors Corp.
JIFFY, cuff and pocket brusher, bagging devices, bag racks, Medalie Mfg. Co.
JIFFY, puff irons, Columbia Laundry Machinery Co.
JIFFY, sock turner, Time Savers, Inc.
JIFFY SORTERS, sorting hooks with clip attached, Frank B. Smith Co.
JIFFY-STICK, ink remover, National Cleaners Chemical Mfg. Co.
JIFFY STRETCHER, drapery finisher, Kleen Hamper, Inc.
JIF-TY, press covers and pads, Tingue, Brown & Co.
JOHNSON, flexible metal hose, Johnson Metal Hose, Inc.
JOHNSON, ironer oil, liquid stripper, Johnson Chemical Industries, Inc.
JOHNSON, rotary pressure joints, steam water heater, compressed-air separators, compressed-air aftercoolers, high-temperature boiler feed system, solenoid valves, automatic boiler water controls, Johnson Corp.
JOHNSTON, steam boilers, Johnston Bros., Inc.
JOINT-SEAL, anti-seize, joint seal and clean-out plug compound, Armite Laboratories
JOMAC "54", scorch-resistant fabric, Jomac, Inc.
JOMAC 24 K, golden yellow scorch resistant press padding, Jomac, Inc.
JUMBO, metallic wool padding, International Steel Wool Corp.
JUMBO, net pins, Risdon Mfg. Co.
JUNIOR, extractor, Fletcher Works, Inc.
JUNIOR CASCADE, laundry washer, American Laundry Machinery Co.
JUNIOR CHALLENGER, washer, Miller Laundry Machinery Co.
JUNIORETTE LAUNDRY, small laundry unit, American Laundry Machinery Co.
JUNIOR, net pins, Keyes-Davis Co.

K

K & B, barrels, bins, boxes, buckets, cabinets, chutes, cylinders, guards, stocks, tanks and ventilating systems, Kirk & Blum Mfg. Co.
K.B., soap powder, sour, Kliegman Bros., Inc.
KCX, 4% single bath charge detergent, Keystone Aniline & Chemical Co.
KC4X, 1% single bath charge detergent, Keystone Aniline & Chemical Co.
K-D, net pins, identification systems, marking pins, Keyes-Davis Co.
K.O.P., coco-potash soap, Armour & Co.
K & T, valves, Klipfel Mfg. Co.
K-V, heavy fluid lubricant, Keystone Lubricating Co.
KALITE, calcium carbonate, Diamond Alkali Co.
KANE, gas-fired steam boilers, Mears-Kane-Ofeldt, Inc.
KAN KIL, insecticide, Colgate-Palmolive Co.
KANTARK, non-renewable fuses, Trico Fuse Mfg. Co.
KANT FALL, spur rolls to attach to rug beater, Moore's Time-Saving Equipment, Inc.
KARAGAMI, powdered wax, refined wax, Concord Chemical Co., Inc.
KAR BAR, adjustable car rack, Keyes-Davis Co.
KARDEX, visible records files, Remington Rand Inc.
KARGO-KING, aluminum-alloy van panel truck bodies, J. B. E. Olson Corp.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

KARPET-KARE, carpet cleaner, Bigelow-Sanford Carpet Co.
KATOLIGHT, generators, light plants, Kato Engineering Co.
KAY-BEE, cover cloth, Kliegman Bros., Inc.
K-B1, break alkali, Laundry Chemicals Co.
K-BRITE, drycleaning soap, H. Krevit & Co., Inc.
KECKLEY, steam and liquid control equipment, O. C. Keckley Co.
KEE, zippers and slide fasteners, Kee Zipper Corp.
KEEDOL, drycleaning filter soap with antiseptic and mothproofing, A. F. Wolke Co.
KEELER CP, boilers, E. Keeler Co.
KEEN AIR DISHNER, odor absorbent, diaper can deodorant, fumigant, Keystone Chemical Co.
KEE-STAR, corn starch, Keever Starch Co.
KEEVER, rug and carpet size, Keever Starch Co.
KEEVER CLEANER, cleaner for metal sleeve form and press, Keever Starch Co.
KEKO, moth-repellent garment storage bags, Kennedy Car Liner & Bag Co., Inc.
KELCO, cutting oil, Keystone Lubricating Co.
KELLEY, heat reclaimers, hot-water heaters, storage heaters, Patterson-Kelley Co., Inc.
KELLOGG-AMERICAN, air compressors, paint spray equipment, American Brake Shoe Co., Kellogg Div.
KELMAKER, pressure filters, vacuum traps, sight-glass assemblies, Kelmaker Mfg. Co.
KELSO BLANKET FLUFFER, blanket carding machine, G. A. Braun, Inc.
KEM PRO, cover cloths, Whitehouse Nylon Products
KENCO SUPER CHARGE, all charge systems, Kenco Chemical Co., Inc.
KEN DDZ, synthetic drycleaning machine, John W. Young
KENITE, diatomaceous earth filter powder, Kenite Corp.
KENNEDY, paper bags, Kennedy Car Liner & Bag Co., Inc.
KENNEY, water softeners, filters, zeolite, Kenney Softener & Filter Co.
KENOO, powder synthetic wetcleaning detergent and water softener, Keystone Chemical Co.
KENT, industrial vacuum cleaners, floor machines, Kent Co., Inc.
KENTUCKY, trucks, dollies, boxes, Kentucky Box & Truck Co.
KERODEX, protective hand cream, Ayerst, McKenna & Harrison
KEWANEE, heating boilers, power boilers, storage water heaters, steel tanks, water heating garbage burners, Kewanee Boiler Corp.
KEY KLEEN, liquid wetcleaning detergent and oil soap, Keystone Chemical Co.
KEY-LOK, brake blocks, Raybestos-Manhattan, Inc.
KEYLUBRIC, air tool lubricant, Keystone Lubricating Co.
KEYPROOF, combination flameproofing and mothproofing agent, Keystone Chemical Co.
KEYSO, drycleaning soap, G & G Chemical Co.
KEYSPRAY, mothproofing agent and insecticide, Keystone Chemical Co.
KEYSTONE, alkalis, Swift & Co.
KEYSTONE, extractors, Keystone Laundry Machinery Co.
KEYSTONE, hat sizing, Keystone Aniline & Chemical Co., Inc.
KEYSTONE, leather soap and liquid glove soap, nail polish remover, white kid glove bleach, Keystone Aniline & Chemical Co., Inc.
KEYSTONE, steam generator, Erie City Iron Works
KEYSTONE, washable service apparel, Keystone Coat & Apron Mfg. Corp.
KEYSTONE, wax spot remover, Keystone Lubricating Co.
KEYSTONE DRI-KLEEN, spot remover, Keystone Chemical Co.
KEY-TAG, automatic mechanical identification system, Key-Tag Checking System Co.
KEY-TEX, filter soap, G & G Chemical Co.
KEYTEX, CONC, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
KEYTHOL, deodorizing machine and scent blocks, Keystone Scent Conditioner Corp.
K-5, laundry soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
K-555, low-temperature soap powder, Laundry Chemicals Co.
K-411, boiler stew, to remove scale deposit, National Chemical Sales Co., Laboratory, Inc.
KIDDE, fire extinguishers, Walter Kidde & Co., Inc.
KIDDYKOLOR, garment bags, Kennedy Car Liner & Bag Co., Inc.
KILLARNEY, laundry blue, Patek & Co.
KIL-ODE, deodorant, Warco Laboratories
KING BEE, paint, oil and grease remover, Dello Products Co.
KING-CLIP, gate valve, Lunkenheimer Co.
KIRK'S, spray guns, formers, finishers, Kirk's Leather Cleaners
KISCO, boiler room equipment, Kisco Boiler & Engineering Co.
KITAGUNI, Japan wax, Strohmeyer & Arpe Co.
KLAMP-ON, pin sets, Moore's Time-Saving Equipment, Inc.
KLEANMORE CONCENTRATE, graphite treatment for boiler scale removal, Kleanmore Laboratories, Inc.
KLEANWELL, oil soap, Minnesota Chemical Co.
KLEENAP, rug detergent, H. Kohnstamm & Co., Inc.
KLEEN-EM, slightly alkaline soap containing powder and optical bleach detergent, Bigelow Chemical Products Corp.
KLEENFLO, activated sweetener powder, L. A. Salomon & Bro.
KLEEN HAMPER, bundle depository, Kleen Hamper, Inc.
KLEEN PAK, drycleaners' bags, Diem & Wing Paper Co.
KLEEN-RITE, coconut-oil soap, National Cleaners Chemical Mfg. Co.
KLEEN SHEEN, paste rug soap, Adco, Inc.
KLEEN SUDS, soap, Lewis National Corp.
KLEENTEST, moisture dispersing agents for charged system, dry cleaning soaps Kleentest Laboratories
KLEERVU, safety eye guard, gauge-glass protector, Wright-Austin Co.
KLEER-WITE, no rinse detergent, Marclene Chemical Corp.
KLENEASE, liquid wetcleaning soap, Caled Products Co., Inc.
KLERA CID, laundry sour, Wyandotte Chemicals, Corp., J. B. Ford Div.
KLEX, pumice soap, Colgate-Palmolive Co.
KLIEGBILT, alkali, break powder, Kliegman Bros., Inc.
KLIEGSPUN, nets, cover cloth, Kliegman Bros., Inc.
KLIEGWEAVE, nets, Kliegman Bros., Inc.
KLING "100", laundry and drycleaning tumblers, Kling "100" Corp.
KLIPLOK, clamps for fuse clips, test clamps, Trico Fuse Mfg. Co.
KLIP-ZIT, drier clips, Time Savers, Inc.
K-LIQUID SOAP, liquid soap, Laundry Chemicals Co.
KLIX, paint remover, Nu-Pro Mfg. Co.
KLORGENT, synthetic soap, G & G Chemical Co.
KLOR-LENE, spotting solution with chloroform action, Davies-Young Soap Co.
KLORO, liquid detergent for use with synthetic solvent units, Adco, Inc.
KLOTHES-KADDY, Kleen Hamper, Inc.
K-MASTER, steam traps, air filters, blowdown valves, Kaye & MacDonald, Inc.
K-MONEL, heat-treating alloy, International Nickel Co., Inc.
KM-129, odor absorber, deodorant, disinfectant, fumigant, synthetic detergent, chemical water conditioner, Keystone Chemical Co.
KNACK, heavy duty laundry builder, Speedlite Chemicals Co., Div. Patek & Co.
KNIGHT-WARE, acid-proof chemical stoneware, Maurice A. Knight
KNITTED PADDING, press pads, Knitted Padding Co.
KNOTLOCK, laundry nets, New York Net Co.
KOKO, liquid wetcleaning soap, Adco, Inc.
KOKOWET, wetcleaning soap, Stadham Co., Inc.
KOLD, sour, Minnesota Chemical Co.
KOLITE, cold-water built soap, John T. Stanley Co., Inc.
KOL MASTER, stokers, Kol-Master Corp.
KOLORTEX, industrial soap, Allen B. Wrisley Co.
KOLURGO, hot-water liquid color stripper, Washine National Sands, Inc.
KOMO, blues, ironer oil, Minnesota Chemical Co.
KOMONOL, organic detergent, Minnesota Chemical Co.
K-121-B, break powder, Laundry Chemicals Co.
K-122, soap builder, Laundry Chemicals Co.
KON-NEC-TOR, mercury switch, General Electric Co.
KORDITE, transparent, reusable, plastic mothproof storage bags, Kordite Corp.
KORO, filter detergent, Nu-Pro Mfg. Co.
KOROLA, French-cuff fastener, Boston Clip & Tag Co.
KOSMETEX, spotter for cosmetic stains and liquors, Patek & Co.
KOWAXO, ironer wax, H. Kohnstamm & Co., Inc.
KOYLON, foam pressing pads, U. S. Rubber Co., Koylon Div.
KRAN-MER, dyeing, Kran-Mer Corp.
KRASAN CLEAR CHARGE, charged system drycleaning detergent, Krasan Products, Inc.
KREX, hand cream for relieving burns, cuts, etc., Caled Products Co., Inc.
KROMOAK, leather and waterproof leather belting, Charlotte Leather Belting Co.
KROMOTAN, leather and waterproof leather belting, Charlotte Leather Belting Co.
K-SOLVENT, detergent for industrial wetwash, Laundry Chemicals Co.
K-333, built soap powder, Laundry Chemicals Co.
KUFTACKER, stapler for trouser cuffs, Bostitch, Inc.
KUNKLE, safety and relief valves, Kunkle Valve Co.
KURB-SIDE, motor truck bodies, J. B. E. Olson Corp.
KWICK, fluorescent bleach, Eaton Chemical & Dyestuff Co.
KWIK CHANGE, cover and iron springs, Time Savers, Inc.
KWIK-KLIP, skirt and pants clip, Commercial Tag Co.
KWIK-KOVERS, garment hanger shield, Kwik-Kover Sales Co.
KWIK ON, rug stretching bars, Moore's Time-Saving Equipment, Inc.
KWIK-SET, bag and net holders, Time Savers, Inc.
KWIK SET, washing-machine timer, H. C. Thompson Clock Co.
KWIK-TAG, paper and cloth marking tags, Kwik-Kover Sales Co.
KWIK TWISTS, hanger combiners, Commercial Tag Co.
KWK VOLCLAY, bentonite clay, American Colloid Co.
KYRO AC, nonionic synthetic detergent, Procter & Gamble Distributing Co.
KYRO EO, synthetic detergent, Procter & Gamble Distributing Co.

L.

L. M. C., pumps, Lubbock Machine Co., Inc.
L-N, sour, tags, Lewis National Corp.
L-S, leather-suede cleaning soap, Caled Products Co., Inc.
L.S.R., lipstick remover, West Side Corp.
LABOR MISER, metal button and thread racks, button bins and large spools of thread, Labor Miser Co.
LACLEDE, grates, stokers, Laclede Stoker Co.
LACQUERSOL, spotting agent, Nu-Pro Mfg. Co.
LA FRANCE, fire extinguishers, American-La France-Foamite Corp.
LAIDLAW, hangers, W. A. Laidlaw Wire Co.
LAM-TEX, sponge press pads, rubber floor mats, Pittsburgh Tag Co.
LANE, baskets, trucks, hampers, W. T. Lane & Bros., Inc.
LANICO, wetcleaning soap, Dello Products Co.
LANI-TEX, press pads, floor mats, Pittsburgh Tag Co.
LANO LUSTRE PROCESS, suede and leather cleaning and refinishing, Lano Lustre Suede & Leather Co.
LANO-SHEEN, fabric conditioner, blanket and rug soap, Kleentest Laboratories
LAPELETTES, lapel protectors, M. H. Gronauer Co.
LAQUERSOL, lipstick and nail polish remover, Nu-Pro Mfg. Co.
LARTON, assembly hooks, sorters, Larton Products Co., Inc.
LASCO, liquid coconut oil, soap builder, Los Angeles Soap Co.
LATCO, boilers, P. M. Lattner Mfg. Co.
LATHEM, time recorders, watchmen's clocks, Lathem Time Recorder Co.
LATHEM "SENTRY", watchman's clock, Lathem Time Recorder Co.
LATHEM "VANGUARD", watchman's clock, Lathem Time Recorder Co.
LATHERINE, rug shampoo, Continental Car-Na-Var Corp.
LATTNER, boiler feed pumps and return systems, P. M. Lattner Mfg. Co.
LAUNDERLOC, recording washwheel thermometer, water level recorder, Foxboro Co.
LAUNDERLUXE, high phosphate laundry soap New South Mfg. Co., Inc.
LAUNDR-EEZ, synthetic detergent, Thompson Chemical Co.
LAUNDRITE, starch, Clinton Foods
LAUNDRITE, washers and extractors, Troy Laundry Machinery Div., American Machine & Metals, Inc.
LAUNDRO-PAD, pre-cut for laundry presses, Arrow Mfg. Co.
LAUNDRY COMPOUND, soap builder, Solvay Sales Div., Allied Chemical & Dye Corp.
LAUNDRY SODA, special cleaner, Solvay Process Div., Allied Chemical & Dye Corp.
LAUNDRY SOUR, acid material for neutralizing, Turco Products, Inc.
LAUNETTE, built soap, Procter & Gamble Distributing Co.
LAUNETTE SPECIAL, low sudsing built detergent, Procter & Gamble Distributing Co.
LAUNSO, medium pH built soap, E. F. Drew & Co., Inc.
LAVEKOL, spot washing, General Dyestuff Corp.
LAVOX, machinery enamel, Pittsburgh Plate Glass Co., Paint Div.
LAWSON, pulleys, hand trucks, wheels, casters, Menasha Wood Split Pulley Co.
LAYCO, garment hanger, Star Service Hanger Div., L. A. Young Spring & Wire Corp.
LAYNE, vertical turbine pumps, water treatment and conditioning equipment, water well supplies, Layne & Bowler, Inc.
LAYTITE, floor coating, Steelcote Mfg. Co.
LE ANN, fur repair and remodeling services, Le Ann Fine Furs
LEATHERFAST, suede leather dye, Keystone Aniline & Chemical Co., Inc.
LEATHER-LIFE, leather dressing, Nycco Products Co.
LEATHER-LUSTRE, smooth-leather colors, Keystone Aniline & Chemical Co., Inc.
LEATHER SOAP, leather cleaning and glove soap, Spix Products Co.
LECTRICK-ICE, water cooler, Uniflow Mfg. Co.
LED-PLATE, thread and gasket paste, Armite Laboratories
LEEBAW, counter conveyor, industrial trucks, Leebaw Mfg. Co.
LEEF, flexible forms, Leef Bros., Inc.
LEFFEL, automatic underfeed stokers, steam boilers, James Leffel & Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

LEHIGH, canvas stitched belting, Victor Bulata & Textile Belting Co.
LENACO, baskets, bleaches, blues, ink, ironer oil, pads, flannels, press covers, cement, Lewis National Corp.
LENACO NO-SAG, tumbler pads, Lewis National Corp.
LENASOL, disinfectant, Lewis National Corp.
LENO, nylon net, Iselin-Jefferson Co., Inc.
LEPRECHAUN MIST, suede dressing, Leprechaun, Inc.
LESLIE, controls and regulators, pumps, valves, Leslie Co.
LESO, leather soap, Nu-Pro Mfg. Co.
LESTOIL, liquid synthetic detergent, Adell Chemical Co.
LETHOL MOTH FUMIGANT, insecticide, Mortemoth Chemical Laboratories
LEVELENE, textile dyeing assistants, American Aniline Products, Inc.
LEVELENE FGD, color-setting liquid, American Aniline Products, Inc.
LEVELOL, stripper, Eaton Chemical & Dyestuff Co.
LEVELON, blue, H. Kohnstamm & Co., Inc.
LEVELON, moisture leveler and neutral spotting base, National Cleaners Chemical Mfg. Co.
LEVER FORMULA 770, 777, 880, all-purpose granules, mild flakes, heavy detergents, Lever Brothers Co.
LEVER SOAP, high-titer chips, granules, Lever Brothers Co.
LEWIS, baskets, trucks, G. B. Lewis Co.
LEWIS, rug binding machines, Lewis Invisible Stitch Machine Co.
LEXARD, milled toilet soap, Swift & Co.
L-4008, laundry starch, Clinton Foods Inc.
LIBERTY, fiber tag material, marking tags, Liberty Marking Tag, Inc.
LIFE FOR FABRICS, water repellent and fabric conditioner, Franklin Research Co.
LIFETIME LINEN TAPE, mending tape, Hughes Co.
LIFETIME MOTHPROOFING, moth repellent, Sibur Mothproof Co.
LIFE-TUBE, ball-bearing pillow blocks and flange units, T. B. Wood's Sons Co.
LIFT, promoted synthetic detergent, Lustrol Drycleaning Products, Div. Patek & Co.
LIFTVEYOR, inclined belt conveyor, Mechanical Handling Systems, Inc.
LIGHTER METHOD, laundry packages, Sutherland Paper Co.
LIGHTNING BLEACH, fast acting wool bleach, Lustrol Drycleaning Products, Div. Patek & Co.
LIGHTNING, drycleaning, fur and upholstery cleaning compounds, Mortemoth Chemical Laboratories
LIGHTNING, water-repellent dip tank, Hopkins Equipment Co.
LIME-SOLV, calcium solvent, H. Kohnstamm & Co., Inc.
LINCOLN, rug and carpet redyeing, Lincoln-Hudson Rug Dyers, Inc.
LINEN, laundry sour, Keever Starch Co.
LINK-BELT, chains, conveyors, power transmission machinery, Link-Belt Co.
LINN, special bodies, delivery trucks, Linn Coach & Truck Div., Great American Industries, Inc.
LINOL, disinfectant, Lincoln Research, Inc.
LION-BILT, work uniforms, Lion Uniform Co.
LIP-I-CATER, lipstick and lacquer remover, W. F. Johnson Products Co.
LIPOFF, cleaning compounds, Mortemoth Chemical Laboratories
LIPSTICK-MUV, lipstick remover, Package Chemical Co., Inc.
LIQUA-BREAK, washroom detergent, Davies-Young Soap Co.
LIQUA-PEL, weatherproof, Edelmuth Mfg. Chemists
LIQUID BLUE "G," blue, Diamond Alkali Co.
LIQUID BLUE, H. Kohnstamm & Co., Inc.
LIQUID BLUE "R", blue, Diamond Alkali Co.
LIQUID DRICLENE, drycleaning detergent, Amour & Co.
LIQUID MILEAGE, laundry blue, Keever Starch Co.
LIQUID MORTEMOTH, insecticide, Mortemoth Chemical Laboratories
LIQUID REGAL, anionic neutral liquid syndet, Armour & Co., Industrial Soap Dept.
LIQUIVATOR, condensate return system, Morehead Mfg. Co.
LIQUOR CHLOROXYLENOLIS, disinfectant, Lincoln Research, Inc.
LISTMAKER, listing machines, National Marking Machine Co.
LITTLE CHIEF, pumps, Fairbanks, Morse & Co.
LITTLE GIANT, water spray gun, Stebbins Mfg. & Supply Co.
LITTLE JOE, adjustable garment hanger, Keyes-Davis Co.
LITTLE SCOTCHMAN, Scotch marine boilers, U. S. Hoffman Machinery Corp.
LITTLE WARRIOR, metal washer, Illinois Laundry Machinery Mfg. Co.
LITTLE WONDER, electric whiskbrush machine, American Pressboard Co.
LIVE OAK, leather transmission belting, Eagle Belting & Leather Co.
LIXATE, rock-salt dissolver, International Salt Co., Inc.
L. N. 4, spotter and stripper, Lewis National Corp.
LOCK END, trouser guards, necktie forms, Paulin Products Co.
LODESTAR, electric hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
LO-DOOR MAMMOTH CASCADE, laundry washer, American Laundry Machinery Co.
LOEBL, garment, rug redyeing, Loebl Dye Works, Inc.
LOGIK, soap builder, Minnesota Chemical Co.
LO-HED, hoists, car pullers, American Engineering Co.
LOK-TITE, marking tags, Liberty Marking Tag Co., Inc.
LO-MAINTENANCE, electric motors, Allis-Chalmers Mfg. Co.
LONGBOY, laundry net, Carson Textile Co., Inc.
LONGLIFE, ironer aprons, ironer ribbons, Tingue, Brown, & Co.
LOOKOUT, boilers, Lookout Boiler & Mfg. Co.
LO-SET, high temperatures mortar, Mexico Refractories Co.
LOSET, stokers, Canton Stoker Corp.
LOSTOKER, boiler stoker, Detroit Stoker Co.
LOT SYSTEM TAG-O-MATIC, marking machine for lot system identification, Textile Marking Machine Co., Inc.
LOUDEN, conveyors, cranes, hoists, Louden Machinery Co.
LOX-IN, collar supports, Time Savers, Inc.
LOYAL, automatic starcher, Armstrong Machinery Co.
LOYAL, pressing machines, vacuum systems, starching machines, Loyal Textile Machinery Corp.
LT 60, built red oil soap, Allen B. Wrisley Co.
LUBEFLEX, starch aid lubricant, Hood Chemical Co., Inc., Crescent Div.
LUB-N-WAX, wax, Speare Co.
LUBRI-KLEEN, lubricating agent for ironers and presses, Paper Chemicals Co.
LUMAR, textile softener powder, Marlyn Chemical Co., Inc.
LUNKENHEIMER, valves, boiler mounts, lubricators, grease cups, gauges, etc., Lunkenheimer Co.
LUSE'S LO-SUDS, synthetic detergents, Wm. K. Luse & Co.
LUSTERETTE, portable fur ironing and glazing machine, Reliable Fur Storage Equipment Co., Div. Reliable Machine Works, Inc.
LUSTER-ON, fur glaze, Nycco Products Co.
LUSTER-PLATE, press plate for silks, Bishop David Freeman Co.
LUSTERSUDS, soap, H. Kohnstamm & Co., Inc.
LUSTERWAY, drycleaning system for franchise basis, McCleary Associates, Inc., and/or Root & Co.
LUSTERWAY COMPOUND, fur cleaning sawdust, Root & Co.
LUSTERWAY FORMULA, fur conditioner and glaze, Root & Co.
LUSTERWAY SOLVENT, fur cleaning solvent, Root & Co.
LUSTRALL, liquid synthetic cleaner, National Cleaners Chemical Mfg. Co.
LUSTRE SEAL, floor sealing and repair material, Keystone Chemical Co.
LUSTRO-KLEEN, liquid wetcleaning soap, Slater-Robbins Co., Inc.
LUSTOL, products for drycleaning, Patek & Co., Lustrol Drycleaning Products Div.
LUXOL, starch lubricant, E. F. Drew & Co., Inc.
LUXOR PLASTIC, transparent garment bags, Rassenfoss Bag Co., Inc.

Mc

McDONNELL, boiler water level control, McDonnell & Miller, Inc.
McDONNELL & MILLER, water controls, McDonnell & Miller, Inc.
McELMOYL, canvas baskets, canvas shipping hampers, canvas basket trucks, M. J. McElmoyl Co.
McKEE-ECLIPSE, blowers, boiler feed and return systems, gas burners, controls, Eclipse Fuel Engineering Co.

M

MIF, pipe fittings, Malleable Iron Fittings Co.
M-K-O, automatic boiler feed systems, Mears-Kane-Ofeldt, Inc.
M. L. B., waterproof cemented leather belting and dressing, Milwaukee Leather Belting Co.
M & M, boilers, level controls, McDonnell & Miller, Inc.
M&M, break booster, M & M Chemical Co.
M. S. A., first-aid equipment, safety equipment, salt tablets and dispensers, Mine Safety Appliance Co.
MACHETA AIRFOIL, industrial ventilating fans, Aerovent Fan Co.
MAFORCO, fur storage equipment, racks, Market Forge Co.
MAGIC, double collar support, J. W. Steele & Co.
MAGIC, rug measuring table, Moore's Time-Saving Equipment, Inc.
MAGIC BELT RING, belt holder, A. G. Vara & Son, Inc.
MAGIC CORNER, boxes, Sutherland Paper Co.
MAGIC INSTICK, ink eradicator, Nu-Pro Mfg. Co.
MAGIC-SEAL, shirt bands, Century Paper Products
MAGIC SPOTTER, medicine remover, Dello Products Co.
MAGLA SILVER, cover cloth, Magla Products
MAGLINER, package, garment, hand and platform trucks, dockboards, roller conveyors and barrel skids, Magline, Inc.
MAGNESOL, adsorptive filter powder, Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.
MAGNETROL, liquid level controllers, Fred H. Schaub Engineering Co., Inc.
MAGNETTE, circuit breakers, Heinemann Electric Co.
MAGNISET, a type of free vane air-operated controller, Bristol Co.
MAJESTIC, steel steam boilers, Ames Iron Works
MAJOR, lubricators, Lunkenheimer Co.
MAJOR, nylon net, Gibralter Fabrics, Inc.
MAMMOTH CASCADE, laundry washer, American Laundry Machinery Co.
MANHATTAN, nylon net, knitted, Gibraltar Fabrics, Inc.
MANISOLV, prespotter, Merson Products Co.
MANITOWOC, drycleaning systems, filters, Manitowoc Engineering Corp.
MANITOWOC-OLSON, tubular filter, Manitowoc Engineering Corp.
MARATHON, ironer tape and feed ribbons, asbestos ironer covers and pads, black nylon cloth, Benwall Mfg. Co.
MARATHON, flatwork ironer padding, Southern Mills, Inc.
MARCLENE, charge detergent, penetrant wet prespotter, Marclene Products Corp.
MARCO, hot-water heaters, storage heaters, feed-water heaters, oil separators, Marshall Heater Co.
MARCO, racks, lighting fixtures, Cleaners Sales & Equipment Corp.
MARINE, grease cups, Lunkenheimer Co.
MARIONETTE, shirt bands, Marion Mfg. Co.
MARK-FLOW, identification and handling equipment, Keyes-Davis Co.
MARKMASTER, marking machine, National Marking Machine Co.
MARKOGRAPH, marking machines, marking ink, George Steigler Co.
MARK-O-INK, indelible marking ink, Mark-O Corp.
MARK-O-PEN, indelible marking pen, Mark-O Corp.
MARK RITE, tags, Lewis National Corp.
MARKRITE, laundry marking ink, Patek & Co.
MARLEX, corrosion inhibitor, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
MARLOW, filter, oil, solvent and water pumps, Marlow Pumps, Div. Bell-Gossett Co.
MAR-MAK, rug drycleaning machine, Mar-Mak Machinery Mfg. Co.
MARMON-HERRINGTON, all wheel drive truck, Marmon-Herrington Co., Inc.
MAROSAL, rinsing aid, Minnesota Chemical Co., Inc.
MARPEL, water repellent, Marclene Products Corp.
MARSH, valves, Jas. P. Marsh Corp.
MARSHALL'S, spotters, Marshall Co.
MARTEX, non-slip composition flooring, treads, American Abrasive Metals Co.
MARTIN, drycleaning and finishing equipment, Martin Equipment Co., Div. American Laundry Machinery Co.
MARTINIZING, drycleaning system, Martin Equipment Co., Div. American Laundry Machinery Co.
MARTIN KOLORCARDS, direct-mail customer-control system, Reba Martin, Inc.
MARVA, scrubbing soap, Marvella Corp.
MARVEL, cotton padding, canvas cement, Pittsburgh Waterproof Co.
MARVEL, ink remover, Keystone Aniline & Chemical Co., Inc.
MARVEL, laundry, drycleaning equipment, Marvel Mfg. Co.
MARVELLA, rubber enamel, rubber glass and rubber enamel floor resurfacing materials; rubber glass and rubber paint, rug shampoo, wax and oil remover, upholstery shampoo, Marvella Corp.
MARVELO, built soap powder, West Side Corp.
MARVESO, drycleaning soap, Nu-Pro Mfg. Co.
MASONEILAN, steam plant equipment, Mason-Neilan Regulator Co.
MASS PRODUCTION CURTAIN DRYER, 3-way curtain drier, National Dryer Mfg. Co.
MASTER, drying tumblers, Hammond Laundry-Cleaning Machinery Co.
MASTER, evaporative coolers, Essick Mfg. Co.
MASTER, glove cleaning soap, Keystone Aniline & Chemical Co., Inc.
MASTER, lint brush, Master Products Co.
MASTER, nylon nets, X. S. Smith, Inc.
MASTER, presses, laundry and drycleaning equipment, Master Machinery Co.
MASTER, sleever, folder, Forse Equipment Corp.
MASTER, soaps, Lasco Supply Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

MASTER, solvent recovery units (muck), Master Mfg. Co.
MASTER, valves, Chace Valve Div., American Laundry Machinery Co.
MASTER, work garments, Geo. Master Div.
MASTER-BILT, solvent cooler, Master-Bilt Refrigeration Mfg. Co.
MASTER BRAND, hatters' equipment, supplies Maxant Button & Supply Co.
MASTER CASCADE, laundry washer, American Laundry Machinery Co.
MASTER CHALLENGER, washer, Miller Laundry Machinery Co.
MASTER CONTROL UNIT, steam system, Velocity Steam Production Engineering, Inc.
MASTER DRY CLEANSER, paste drycleaning soap, Keystone Aniline & Chemical Co., Inc.
MASTER KING, net pins, Keyes-Davis Co.
MASTERMATIC, washer control, American Laundry Machinery Co.
MASTER PLATE, floor resurfacing concrete, Master Builders Co.
MASTER QUICK, floor patching concrete, Master Builders Co.
MASTER SEAL, self-seal shirt bands, Package Masters, Inc.
MASTER SELF-SEAL, shirt bands for advertising messages, Package Masters, Inc.
MATCHLESS, flatwork ironers, Prosperity Co., Inc.
MATCHLESS, monorail trolley, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
MATCHORAMA, match book, Universal Match Corp.
MATEER, extractors, Western Laundry Machinery Co.
MAXANT MASTER, pleating machine, Maxant Button & Supply Co.
MAX-EL, machinery steels, Crucible Steel Co. of America
MAXINE, milled toilet soap, Swift & Co.
MECLASOL, washroom detergent, Carlton Chemical Co., Inc.
MECOLOID, colloidal clay compound, H. Kohnstamm & Co., Inc.
MEHL, transparent bags, Mehl Mfg. Co.
MEMO TAGS, pre-printed instruction tag, Larton Products Co., Inc.
MENDEX, tabs and tapes for repairing marking, Mendex Corp.
MEND-MASTER, machines for applying tapes or tabs, Mendex Corp.
MENTOR BEADS, synthetic detergent, Colgate-Palmolive Co.
MERASOL, colorless drycleaning detergent, R. R. Street & Co., Inc.
MERCURY, cleaning systems, filters, stills, tumblers, Mercury Cleaning Systems, Inc.
MERCURY, presses, Troy Laundry Machinery Div., American Machine & Metals, Inc.
MERCURY NUMATIC, fully automatic air operated valves, Mercury Cleaning Systems, Inc.
MERMAID, break powder, Los Angeles Soap Co.
MERRY GO ROUND, shirt sorting bin, Time Savers, Inc.
MERSON, soaps, strippers, Merson Products Co.
MERTEX, drycleaning soap, Merson Products Co.
METAFOS, sodium hexametaphosphate
METALATE, laundry chemical, Diamond Alkali Co.
METASILICATE, detergent, Diamond Alkali Co.
METEOR, electric hoist, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
METALA-COTA, boiler water treatment, State Mfg. Co., Inc.
METLWAL, metal partitions and paneling, Prosperity Co., Inc.
METRO, delivery truck bodies for light, bulky loads, Metropolitan Body Co., Inc.
METSO, detergents, Philadelphia Quartz Co.
METSO 88, rug cleaner, Philadelphia Quartz Co.
METSO 55, silicate-type cleaner, Philadelphia Quartz Co.
METSO ANHYDROUS, anhydrous sodium metasilicate, Philadelphia Quartz Co.
METSO GRANULAR, sodium metasilicate, Philadelphia Quartz Co.
METSO 99, sodium sesquisilicate, Philadelphia Quartz Co.
METSO 200, sodium orthosilicate, Philadelphia Quartz Co.
MEXICAST, plastic refractory concrete, Mexico Refractories Co.
MEX-LOX, jointing material, Mexico Refractories Co.
MEYERCORD, truck decals, Meyercord Co.
M-3, insulating firebrick, Mexico Refractories Co.
M-50, M500, drycleaning washers, Western Laundry Machinery Co.
MICROMET, rust and corrosion preventative, Calgon, Inc.
MIDCO, flameproofing agent, Merson Products Co.
MIDGET, continuous towel cabinet, Steiner Sales Co.
MIDGET, controls, Morehead Mfg. Co.
MIDGET, static eliminator for industrial machinery, Simco Co.
MIDGET KING, marking pins, Keyes-Davis Co.
MIDGET-MATIC, laundry washers, Hammond Laundry-Cleaning Machinery Co.
MIDGET PERFECTION MARKER, marking machine, Perfection Marking Machine Co.
MIDOFORM, all-around spotter, Merson Products Co.
MIDWEST, stainless steel washer, vacuum traps, drying cabinets, Midwest Laundry & Cleaning Machinery Co.
MIL-CIDE, mildew preventative, Speare Co.
MILCO, colorback (for restoring color to faded fabrics), shampoo, A. O. Miller & Co.
MILDEW-CHEK, mildew preventative, Chek Products, Inc.
MILDEX, mildewicide, Patek & Co.
MILDUSIZE, drycleaning mildew preventative, Cidex Corp.
MILLER, laundry washers, Miller Laundry Machinery Co.
MILLICAL, calcium carbonate, Diamond Alkali Co.
MILLSPRAY, insecticide, Keystone Chemical Co.
MILNOR, laundry, drycleaning extractors, washers, Pellerin Milnor Corp.
MILNORETTE, miniature domestic type washer, Pellerin Milnor Corp.
MILTROL CONSOLE, automatic washer control, Pellerin Milnor Corp.
MINCO, sours, Minnesota Chemical Co.
MINIATURE SLEEVERS, sleeve formers, Wichita Precision Tool Co., Inc.
MINI-LINE, pneumatic indicators and controls, Bailey Meter Co.
MINUTE MAN, extractor, presses, Troy Laundry Machinery Div., American Machine & Metals, Inc.
MINUTE MAN, JR., tumblers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
MIRACLE MONIX, rug cleaning compound, mothproofing agent, Monix Co.
MIRO SPRA, Nu-Pro Mfg. Co.
MIRZA, rug cleaning system and machine, rug duster, rug dryroom conveyor, rug drying unit, rug wringer, American Laundry Machinery Co.
MISSION BELL, toilet soap, Los Angeles Soap Co.
MIST, steam spotter, Pennsylvania Salt Mfg. Co.
MITCO, drycleaning washer, tumblers, J. B. Mitchell Co.
MIXST MASTER, moisture dispersing agent, Ellenbogen & Shannon, Inc.
MIZON, rug cleaning detergent, Fumol Corp.
MKAYO, boilers for oil firing, Mears-Kane-Ofeldt, Inc.
MOBILE HAMPER, clothes cart, R. B. Smith Co.
MOBILMARKER, storage bin, marking hopper and marking table, Bishop David Freeman Co.
MOCO, drycleaning soap, fabric deodorant, liquid wetcleaner, spotter, dye pads, Package Chemical Co., Inc.
MODINE, unit heaters, coolers, Modine Mfg. Co.
MOFLEX, tire rebuilding and repair materials, Mohawk Rubber Co.
MOGRIP, tire recapping stock, tire rebuilding materials, Mohawk Rubber Co.
MOGUM, tire recapping stock, tire rebuilding materials, Mohawk Rubber Co.
MOHAWK, padding, Egan Cotton Mills
MOHAWK, tallow soap chips and powder, Swift & Co., Industrial Soap Dept.
MOHAWK, tire recapping stock, tire repair materials, Mohawk Rubber Co.
MOLAFORM, stain remover, Package Chemical Co., Inc.
MONAD G, neutral synthetic detergent, Colgate-Palmolive Co.
MONARCH, synthetic solvent drycleaning machine, Detrex Chemical Industries, Inc.
MONARCH, washer, American Laundry Machinery Co.
MONARCH, water pumps, chemical and mechanical water conditioners, water filters, softening and treatment equipment, zeolite, Monarch Engineering Co.
MONEL, alloy of nickel and copper, International Nickel Co.
MONELLO, Monel pads for overall presses, Resillo Co.
MONEX, extractor, American Laundry Machinery Co.
MONITE, insured mothproofing, Monite Co., Inc.
MONOBLOC, close-coupled centrifugal pumps, Worthington Pump & Machinery Corp.
MONO-CHROME, chrome base plastic refractory, Mexico Refractories Co.
MONO-FABRIK, plastic firebrick, Mexico Refractories Co.
MONOFLO, rotary cable conveyor, M-H Standard Co.
MONO-LINE, plastic firebrick, Quigley Co., Inc.
MONROE, accounting and business machines, Monroe Calculating Machine Co., Inc.
MONTPELIER, truck bodies for laundry and linen supply delivery, Montpelier Mfg. Co.
MOORE, autographic register, Moore Business Forms, Inc.
MOORE, trolley conveyor, Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp.
MOORES OCTOLENE, rug cleanser, Moore's Time-Saving Equipment, Inc.
MO-REX, dry press firebrick, Mexico Refractories Co.
MORHEAT, boiler and steam generators, Morheat Sales Co.
MORLEX, corrosion inhibitor for boiler water and steam, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
MOROCCO, rug sizings, National Starch Products, Inc.
MORRO, medium-titer soap flakes, Swift & Co.
MORSE, drum plug wrench, drum dispensing racks, bottle tippers, drum hand trucks, Morse Mfg. Co., Inc.
MOTEX, laundry extractor, American Laundry Machinery Co.
MOTH-ASEPTIC, mothproofing germicide, Perm-Aseptic Corp.
MOTH CHASER, mothproofing agent, Ellenbogen & Shannon, Inc.
MOTH-CHEK, mothproofing agent, Chek Products, Inc.
MOTHPROOFITE, insecticide, mothproofing concentrate, Mortemoth Chemical Laboratories
MOTH-SAN, mothproofing agent, Huntington Laboratories, Inc.
MOTH SEAL, storage bags, Lincoln Bag Co., Inc.
MOTH SECTOL, dual-action moth spray, Fumol Corp.
MOTOPUMP, water supply pump, Yeomans Bros. Co.
MOTOR PUMP, solvent and water pump, Ingersoll-Rand Co.
M. P. 189, wetting and dispersing agent, Lewis National Corp.
MRS. STEWART'S, liquid bluing, Luther Ford & Co.
M-26, M-23, and M-20, insulating firebrick, Mexico Refractories Co.
MULHOLLAND HARPER, high baked deluxe metal signs for indoor and outdoor, also plastic signs, Mulholland-Harper Co.
MULSOLITE, lubricant, spotter, penetrant, R. R. Street & Co., Inc.
MULSOL-K, overall cleaner, Laundry Chemicals Co.
MULTI-CLEAN, rug scrubbing equipment, rug and upholstery shampoo, Multi-Clean Products, Inc.
MULTI-COUNTER, counting devices, Multi-Counter Mfg. Co.
MULTI-CUSHION, felt padding, Pittsburgh Waterproof Co.
MULTIFLEX, calcium carbonate, Diamond Alkali Co.
MULTIGRAPH, hand-operated duplicating machine, Addressograph-Multigraph Corp.
MULTIGRIP, floor plates, U. S. Steel Co.
MULTI-PHOS, phosphate regenerator, Speedlite Chemicals Co., Div. Patek & Co.
MULTITHERM, air-conditioning units, Clarage Fan Company
MULTI-V DRIVE, V belt drives and sheaves, Worthington Pump & Machinery Corp.
MUND'S, inclined water tube boiler, Mund Boilers, Inc.
MURCO, unit heaters, D. J. Murray Mfg. Co.
MUROZA, feather cleaning and sterilizing systems, American Laundry Mechinery Co.
MW 50, asbestos furnace cement, Philip Carey Mfg. Co.
MYCEL, drycleaning process, R. R. Street & Co., Inc.
MYRO, water softeners, Hungerford & Terry, Inc.
MYSTRON, drycleaning unit, U. S. Hoffman Machinery Corp.

N

N-C, staples, stapling machines, Neva-Clog Products, Inc.
N.C.S., drycleaning soap, National Cleaners Chemical Mfg. Co.
N-L, plastic impregnated tags, ink, Wm. J. Nicholson Laboratories
N-M-D, globe, angle, check and quick operating valves, Lunkenheimer Co.
N. P., stain remover, glove color, dry type water repellent, stripper, size, suede oil, Nu-Pro Mfg. Co.
N-R-G, enzymic digester, George E. Mead Co.
NABORETTE, small family service laundry, American Laundry Machinery Co.
NACCONOL, synthetic organic detergent, National Aniline Division, Allied Chemical & Dye Corp.
NAIROIL, small oil burners, National Airoil Burner Co., Inc.
NAJORT, laundry washers, R. Ewing & Sons, Inc.
NAL, tannin spot remover, Signal Chemical Mfg. Co.
NALCITE, resinous, ion exchangers, National Aluminate Corp.
NALCO, heating units for driers, North American Electric Lamp Co.
NALCO, water-treatment chemicals, National Aluminate Corp.
NALAX, nail polish remover, Warco Laboratories
NAMCO, boiler compound, dry and wet water repellents, fabric finishing compounds, Namco Chemical Corp.
NAPOLENE PASTE FILTER SOAP, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
NAPSEPTIC, sour, E. F. Drew & Co., Inc.
NAPSOAP 22, 60, laundry soaps, E. F. Drew & Co., Inc.
NAPSO, medium-titer powdered built soap, E. F. Drew & Co., Inc.
NAPSOID, alkali compound, special detergents, E. F. Drew & Co., Inc.
NAPSOLV, spotting agent, E. F. Drew & Co., Inc.
NAPSO 22, oil built soap, E. F. Drew & Co., Inc.
NAPSUDS, rug and carpet soap, E. F. Drew & Co., Inc.
NAPTEX, oil built soaps, E. F. Drew & Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

NAPTHOLE, alkali compound, special detergents, E. F. Drew & Co., Inc.
NAPTHOLE, ironer oil, E. F. Drew & Co., Inc.
NAPTHOLE B, medium-high pH detergent, E. F. Drew & Co., Inc.
NAPTONE, complete laundering detergent, E. F. Drew & Co., Inc.
NAPWAX, ironer wax, E. F. Drew & Co., Inc.
NASHAWAY, self sealing paper bands, Nashua Corp., Sure-Hold Div.
NASHUA, double-face flannel, Nashua Textile Co.
NASHUA, package sealing machine, Nashua Package Sealing Co.
NATCO, instantaneous indirect-fired water heaters, National Combustion Co
NATIONAL, boiler seam protector, National Boiler Protector Co.
NATIONAL, cash registers, accounting & adding machines, National Cash Register Co.
NATIONAL, charge soap, for charge systems, National Cleaners Chemical Mfg. Co.
NATIONAL, charge test kits for strong soap, National Cleaners Chemical Mfg. Co.
NATIONAL, driers, stretchers, drying cabinets, tumblers, National Dryer Mfg. Co.
NATIONAL, dry size, used with Stoddard solvent and perchlorethylene, National Cleaners Chemical Mfg. Co.
NATIONAL, forced air ventilating system, National System of Garage Ventilation, Inc.
NATIONAL, marking equipment, marking ink, belt conveyors, National Marking Machine Co.
NATIONAL, soot remover and rust-preventative treatment, National Chemical Sales Co., Laboratory, Inc.
NATIONAL, tape dispenser, Nashua Corp., Sure-Hold Div.
NATIONAL AIROIL, oil burners and gas burners, National Airoil Burner Co.
NATIONAL "CLASS 41", accounting machines, National Cash Register Co.
NATIONAL LANG, listing machines, National Marking Machine Co.
NATIONAL REWEAVING SERVICE, reweaving equipment, Wonder Weavers
NATIONAL TAYPER, sealing machine, Nashua Package Sealing Co., Inc.
NATIONAL TRUCK LEASING SYSTEM, truck leasing and rental services, National Truck Leasing System
NATIONAL "21", cash register, National Register Co.
NAT-MAR-CO, marking-machines and inks, National Marking Machine Co.
NEBULYTE, oil-gas burner, Anthony Co.
NECCHI, sewing machines, Necchi Sewing Machine Sales Corp.
NEEDLEBOARD, wire pressboards, American Pressboard Co., Inc.
NEET, printed crush-proof shirt packaging, Market Industries Co., Inc.
NEET, shirt package, Patek & Co.
NEGASTAT, anti-static agent, Philips & Philips Corp.
NEM-A, shirt-folding machines, J. W. Steele & Co.
NENSOL, feeder, Infilco, Inc.
NEO-SPONGE, standing comfort mat of neoprene, American Floor Products Co.
NEO-TONE, sours, Diamond Alkali Co.
NEPTUNE, leather belt cement, Graton & Knight Co.
NE-TO, starch, A. S. Staley Mfg. Co.
NEUTRACIDE, sour, Lewis National Corp.
NEUTRA-LENE, deodorant neutralizer, Davies-Young Soap Co.
NEUTRAL LUBRICANT, neutral lubricant, Lustrol Drycleaning Products, Div., Patek & Co.
NEUTRA LUSTRE, for rug cleaners, Keever Starch Co.
NEUTRA SOL, sweetening agent, Benda Products, Inc.
NEUTRASOL, synthetic detergent, Lewis National Corp.
NEUTRASUDS, flake or powder high-titer tallow soap compound, E. F. Drew & Co., Inc.
NEUTRATEX, sour, Lewis National Corp.
NEUTRATINT, sour, Lewis National Corp.
NEUTREX, rust removing sour, Speedlite Chemicals Co., Div. Patek & Co.
NEUTRO, sour, Turco Products, Inc.
NEUTROGEN, sour, Lewis National Corp.
NEUTRONAP, sour, E. F. Drew & Co., Inc.
NEUTROPHOR, laundry neutralizer and whitener, Carlton Chemical Co., Inc.
NEUTROSOAP, neutral laundry soap, Carlton Chemical Co., Inc.
NEUTROTONE, detergent, Endriss Chemicals, Inc.
NEVA-CLOG, stapling machine, wire staples, Neva-Clog Products, Inc.
NEVA-SLIP, pants clip, Commercial Tag Co.
NEVASTANE, lubricant, Keystone Lubricating Co.
NEVER-SLIP, collar protectors, Phoenix Products Co.
NEVERSLIP, tie hangers, Memphis Hanger Co. & Pittsburgh Hanger Co.
NEVERSTRETCH, feed ribbon, Southern Mills, Inc.
NEW DEPARTURE, ball, radial and thrust bearings, New Departure, Div. General Motors Corp.
NEW GOVERNOR, nylon nets, Gibraltar Fabrics, Inc.
NEWHOUSE, spotting guns, brushes, counter racks, sleeve formers, press pad, spotting noses, sleeve boards, wetcleaning aprons, Newhouse Specialty Co., Inc.
NEW-MATIC, presses, New York Pressing Machinery Corp.
NEW MANHATTAN, nylon nets, Gibraltar Fabrics, Inc.
NEW NO. 30 CLEANER, fur cleaner, Nycco Products Co.
NEW YORKER, drycleaning, laundry presses, New York Pressing Machinery Co.
NIAGARA, chemical, oil and water meters, Buffalo Meter Co.
NIAGARA, filter screens, Niagara Filter Corp.
NICE, ball and thrust bearings, Nice Ball Bearing Co.
NICHOLSON, strainers, floats, traps, W. H. Nicholson & Co.
NILES, steel drums, Republic Steel Corp.
9000 SERIES, steel-framed two-wheel hand trucks, Fairbanks Co.
NI-ROD, electrode for machinable welds, International Nickel Co., Inc.
NISSEN, dye and bleach resistant color-marking and writing tube, John P. Nissen, Jr., Co.
NITROX, cleaner, rust inhibitor, Solvay Process Div., Allied Chemical & Dye Corp.
NO-CHLOR, spotting agent, Nu-Pro Mfg. Co.
NO-DARN, mending iron, No Darn Co.
NO-EFFORT, handkerchief and napkin press and handkerchief fluffer, American Laundry Machinery Co.
NOEX, petroleum solvent drycleaning unit, drycleaning tumbler, American Cleaners, Equipment Co., Div. American Laundry Machinery Co.
NO-FLAM-O, flameproofing for fabrics, Namco Chemical Corp.
NO-KRUSH, garment carrier, U. S. Hoffman Machinery Corp.
NOLA TOILET SOAP, soaps, Iowa Soap Co.
NO LAX, spotting agent, Warco Laboratories
NO LINT, fabric preservatives and conditioner for linen supplies, Namco Chemical Corp.
NO-LINT-WORRIES, black bags, Zuckerberg Co.
NO-MAR TREATMENT, stain and water repellent, Paper Chemicals, Inc.
NO-MIX, bundle separators, Rosenthal Mfg. Co.
NO-MIX, identification system, Checking System Co.
NOMOLD, mold preventative, H. Kohnstamm & Co., Inc.
NON-CRUSH, shirt carriages, Time Savers, Inc.
NON-FER-AL, calcium carbonate, Diamond Alkali Co.
NON-IONIC, fabric conditioner, Namco Chemical Corp.
NON-SHIFT, wire garment hanger, Para-Lux Products Co.
NON-SIPHON, boiler return system, U. S. Hoffman Machinery Corp.
NON-SKID, floor tiles, Virginia Greenstone Co., Inc.
NON X.L., water repellent, Boston Clip & Tag Co.
NORCO, meters, timers and control devices, Norman Control Co.
NORIT, activated carbon, L. A. Salomon & Bro.
NORTH STAR, fur cleaning compound, Walter Haertel Co.
NORUST, laundry sour, Washine National Sands, Inc.
NOR-WIL, press covers, asbestos covers, Norton & Williams, Inc.
NORWOOD CASCADE, washer, American Laundry Machinery Co.
NO-SNAG, laundry marking fountain pen, Cleaners Specialty Co.
NO-SNAG, shank, Star Service Hanger, Div., L. A. Young Spring & Wire Corp.
NOSOK, non enzymic digester, spot remover, George E. Mead Co.
NO STARCH, fabric conditioner and finishing aid for shirt laundries, Nemco Chemical Corp.
NO-STAT, anti-static agent, Pagoda Industries, Inc.
NO-STAT, static eliminator and method of application via drying tumbler, Kleentest Laboratories
NO-STRING MARK, tape device for flatwork presses, Rothential Mfg. Co.
NOTASTANE, lubricant, Keystone Lubricating Co.
NO-THREAD, compression fittings, Dresser Mfg. Div., Dresser Industries, Inc.
NOTRUX, mechanical loading and unloading extractor, American Laundry Machinery Co.
NOVA-TEX, dry sizing, National Cleaners Chemical Mfg. Co.
NO-VENT, boiler return system, David Stout & Sons
NOWASTE, marking tags, preprinted, Stry-Lenkoff Co.
NOXOIL, non-ionic penetrant and emulsifier, Speedlite Chemicals Co., Div. Patek & Co.
NOXOIL, penetrant and soil suspending agent, Patek & Co.
NUCHLOR, volatile spotter, Nu-Pro Mfg. Co.
NU-CLEANING, synthetic drycleaning unit, U. S. Hoffman Machinery Corp.
NU-COAT, glove and leather finish, National Cleaners Chemical Mfg. Co.
NU-DI, leather dye, Nu-Pro Mfg. Co.
NU-FLO, laundry sour, Johnson Chemical Industries, Inc.
NU-FLO, economy sour, Johnson Chemical Industries, Inc.
NU-FLUO EXTRA, sour for high bicarbonate water, Johnson Chemical Industries, Inc.
NU-HIDE, leather cleaner and softener, Signal Chemical Mfg. Co., Inc.
NU-LUS, dry size, Nu-Pro Mfg. Co.
NUMERETTE, hand numbering machine, American Numbering Machine Co.
NUMBER 5, 11, 33, blues, Lewis National Corp.
NUMBER 4, blue, stripper, Lewis National Corp.
NUMBER 44, blue, Minnesota Chemical Co.
NUMBER 996, industrial textile detergent, H. Kohnstamm & Co., Inc.
NUMBER 209, general formula, R. R. Street & Co., Inc.
NU-NAP, rug cleaner, Certified Chemical & Equipment Co.
NU-NAP PROCESS, shine removal service, Bestway Shine Removal Co., Inc.
NUODEX 87, mildew preventative, Nuodex Products Co., Inc.
NU-PAL, lint remover, Perma Products Co.
NU-PRO, ink and stain remover stick, Nu-Pro Mfg. Co.
NU-SHEEN, dyeing service, Omaha Dye Works
NUSHENE, special alkali compounds, Speare Co.
NU-SO, detergent, Nu-Pro Mfg. Co.
NU-SOL, soap builders, Thompson-Hayward Chemical Co.
NUSOLVO, spotting agent, Nu-Pro Mfg. Co.
NUSUEDE, suede finishes, Eaton Chemical & Dyestuff Co.
NU-TEX, drycleaning soap, Nu-Pro Mfg. Co.
NU-TEX-TIZE, drycleaning detergent, Nu-Life Mfg. Co.
NUTRA SUDS, neutral soap flakes, E. F. Drew & Co., Inc.
NUTROL, synthetic wetcleaner, Keystone Aniline & Chemicals Co., Inc.
NUTRONAP, sour, E. F. Drew & Co., Inc.
NUTTING, floor trucks, casters, wheels, Nutting Truck & Caster Co.
NU-WAY, liquid filter soap, Davies-Young Soap Co.
NU-WEIGH, hanging clothes scale, Newhouse Specialty Co., Inc.
NYTEX, press pads and covers, R. Lally Co.
NU-WOOD, insulation board, Wood Conversion Co.
NYCCO, moth preventatives, Nycco Products Co.
NYCCO, prepared fur dyes, Nycco Products Co.
NYLCOT, laundry nets, Southern Mills, Inc.
NYL-EON, nylon covers and cloth, G. S. Robins & Co.
NYLO, filter and laundry bags, press covers and cloth, X. S. Smith, Inc.
NYLO-DUK, nylon "Hydraxtor" slings, F. H. Bonn Co.
NYLONET, knitted nylon laundry nets, Nylonet Corp.
NYLONETS, nylon laundry nets, X. S. Smith, Inc.
NYLTEX, nylon press covers, X. S. Smith, Inc.
NYLSEW, nylon sewing thread, Hemnway & Bartlett Mfg. Co.

O

O.I.C., all types valves, Ohio Injector Co.
O.T., laundry-drycleaning extractors, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
O & S, fuel burning systems, Orr & Sembower, Inc.
O-S, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
O.&W., specialty compound, Diamond Alkali Co.
OAKITE, detergents, Oakite Products, Inc.
OAKITE COMPOUND NO. 32, scale and rust remover, Oakite Products, Inc.
OAKITE PENETRANT, detergent, Oakite Products, Inc.
OAKVILLE, wire staples, Oakville Co. Div., Scovill Mfg. Co.
OASIS, drinking water cooler, Ebco Mfg. Co.
OBARK, leather belting, waterproof leather belting, Charlotte Leather Belting Co.
OBLITO, stain remover, H. Kohnstamm & Co., Inc.
OCCO, extractor baskets, Ohio Centrifugals Co.
OCTA-CLENE, rug cleanser, Moore's Time-Saving Equipment, Inc.
ODIS, instantaneous and water storage heaters, Old Dominion Iron & Steel Corp.
ODO-STICK, garment odor remover in stick form, Nu-Pro Mfg. Co.
OFELDT, boiler, Mears-Kane-Ofeldt, Inc.
OILITE, self-lubricating bearings, machine parts, Amplex Div., Chrysler Corp.
OIL-MIST, automatic lubrication systems, Alemite Div., Stewart-Warner Corp.
OIL-RITE, oil cups, oilers, Oil-Rite Corp.
O.K. CORN STARCH, corn starch, Hubinger Co.
OLATE, FLAKES, low-titer soap, Procter & Gamble Distributing Co.
OLIN, cellophane, Olin Cellophane Div., Ecusta Paper Corp.
OLIVE C, soap, Stadham Co., Inc.
OLIVESCO, detergent, Cowles Chemical Co.
OLIVILO, toilet soaps, Allen B. Wrisley Co.
OLSENMARK, marking inks, marking machinery, stamping presses, OlsenMark Corp.
OLSON, automatic laundry washers, Olson Industries, Inc.
OLSON, pressure filters, solvent stills, Olson Filtration Engineers, Div. American Laundry Machinery Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

OLSON KURB SIDE, aluminum package delivery body, J. B. E. Olson Corp.
OLYMPIC, extractor, Troy Laundry Machinery Div., American Machine & Metals, Inc.
OMNI-SOUR, laundry sour, Carlton Chemical Co., Inc.
ONE-HUNDRED, synthetic solvent drycleaning unit, Columbia Appliance Corp.
ONE-LAY, shirt finishing machine, J. W. Steele & Co.
ONE-SHOT, writing ink remover, Eaton Chemical & Dyestuff Co.
ONE-SPOT, scale, Toledo Scale Co.
132-LINEN, starch, A. E. Staley Mfg. Co.
$1000.00 GUARANTEED, insecticides, B. Heller Co.
ON-THE-SPOT, synthetic drycleaning equipment, A. B. Temple Co.
OPALOID, buttons, Stadham Co., Inc.
OPENETS, laundry nets and fabrics, Davis Mills Inc.
OPEN-TOP, extractors, Prosperity Co., Inc.
OPERATIVE TI-ME-TER, time signals, visual, audible equipment control, Bildwell Mfrs.
OPTO-MATIC, constant lever oilers, Trico Fuse Mfg. Co.
ORIGA-FAB, sport shirt sizing, Harris Bros. Mfg. Co., Inc.
ORIOLE, apron duck and cover cloth fabrics, Mount Vernon Mills, Inc.
ORR, wool padding, Orr Felt & Blanket Co.
ORTHOLATE, laundry chemical, Diamond Alkali Co.
ORTHON, mild laundry builder, Speedlite Chemicals Co., Div. Patek & Co.
ORTHOSILICATE, detergent, Diamond Alkali Co.
ORVUS AB GRANULES, powdered neutral synthetic detergent, Procter & Gamble Distributing Co.
ORVUS EXTRA GRANULES, synthetic detergent, Procter & Gamble Distributing Co.
ORVUS HYTEMP GRANULES, built high temperature synthetic detergent, Procter & Gamble Distributing Co.
ORVUS W. A. PASTE, wetcleaning detergent, Procter & Gamble Distributing Co.
OSOMOMETER, odor measurement device or apparatus, Odor Instruments, Inc.
OSPECO, concentrated drycleaning soap, Oil States Petroleum Co., Inc.
O SPOTTER, stain remover, H. Kohnstamm & Co., Inc.
OUTSERTS, package insert, Allied Printing & Stationary Co., Inc.
OXALATE-A, sours, Keever Starch Co.
OXYFUME, fumigant, Carbide & Carbon Chemical Corp., Unit of Union Carbide & Carbon Corp.
OZITE, insulation, laundry felt, American Hair & Felt Co.
OZONITE, built soap, Procter & Gamble Distributing Co.

P

PB, laundry marking tags, Boston Clip & Tag Co.
P.D.Q., wetcleaning detergent, Nu-Pro Mfg. Co.
P.F.S., paste filter soap, Nu-Pro Mfg. Co.
P.I.U., variable speed changers, Link-Belt Co.
P-K, hot water heater, boiler return systems, condensate coolers, Patterson-Kelley Co., Inc.
P.M., built soap, Thompson-Hayward Chemical Co.
P.M.D., moth repellent, Dixo Co.
PQ, silicate of soda, Philadelphia Quartz Co.
P-R, colorless paint and varnish remover, Caled Products Co., Inc.
PW, soap builder, New South Mfg. Co., Inc.
PAASCHE, airbrushes, air painting equipment, Paasche Airbrush Co.
PACE, chlorinated solvent soap, Caled Products Co., Inc.
PACIFIC, borax and sodium sesquicarbonate, Columbia-Southern Chemical Co.
PACIFIC, sour bluing, Beach Soap Co.
PACKLESS, flexible hose, couplings, Packless Metal Hose, Inc.
PAINT-I-CATER, paint remover, W. F. Johnson Products Co.
PAINT-SOLV, paint remover, Huntington Laboratories, Inc.
PAISLEY, general line adhesives, Paisley Products, Inc.
PAK-AGE-KART, packaged work transporter, Bishop David Freeman Co.
PAK-RITE, plastic garment bags, cedarized and plain combination bags for shirts, ties, gloves, sweaters, hats, etc., Pak-Rite Flexible Packaging Co.
PAK-TITE, compound, American District Steam Co., Inc.
PALM, palm oil soap, Swift & Co.
PALMETTO, cotton belting, Victor Balata & Textile Belting Co.
PALMOIL, soap, Rome Soap Mfg. Co.
PALMOLIVE, soap, Colgate-Palmolive Co.
PALM ROSE, soaps, Iowa Soap Co.
PAMCO, straight pins, Risdon Mfg. Co.
PANAREX, CO_2, recorder, Permutit Co.
PANTEX, drycleaning and laundry machinery, Pantex Mfg. Co.
PANTEX RHODES NATIONAL HATTER, hat blocking machine, Pantex Mfg. Co.
PANTS HORSE, trouser rack, R. B. Smith Co.
PAPER-STRUT, garment hanger, Star-Service Hanger Div., L. A. Young Spring & Wire Corp.
PARACOIL, water heaters, Davis Engineering Corp.
PARAGENE, stripper, Eaton Chemical & Dyestuff Co.
PAROGON, gas engine lubricators, Lunkenheimer Co.
PARALATE-S, alkali compound, Diamond Alkali Co.
PARAMOUNT, garment, trouser bags, hanger covers, Mutual Paper Box Co., Inc.
PARAMOUNT, evaporative coolers, Essick Mfg. Co.
PARA-SEAL, hanger cover, Para-Lux Products Co.
PARAZOLE, spot remover, Eaton Chemical & Dyestuff Co.
PARIS, steam-air garment finisher, Garment Finishing Equipment Corp.
PARIS CONVERTIBLE, steam-air finishers, Garment Finishing Equipment Corp.
PARIS MASTER FINISHER, steam-air garment finisher, Garment Finishing Equipment Corp.
PARKER, industrial boilers, Sid E. Parker Boiler Mfg. Co., Inc.
PARK'N CLEAN, store fixtures, counters, portable trailers, Park'N Clean, Inc.
PARMELEE, wrench, Walworth Co.
PAROL, special alkali compounds, Speare Co.
PAR-X, stain remover, H. Kohnstamm & Co., Inc.
PAS-TIES, collar & cuff fasteners, hanger ties, Plas-Ties Co.
PATCH MASTER, repair cloth kits, R. D. Bussard & Son
PATEXOL, oil, paint and grease remover, Patek & Co.
PATEXPAC, printed garment bags, shirt envelopes, Patek & Co.
PATINEX, upholstery shampoo, cleaning compound, Mortemoth Chemical Laboratories
PATINEX FURLIFE, fur shampoo, cleaning compound, Mortemoth Chemical Laboratories
PATRICK, steam iron, Lawrence M. Stein Co.
PATROL, watchmen's clocks, Detex Watchclock Corp.
PATTERSON-KELLEY, condensers, coolers, Patterson-Kelley Co., Inc.
PAWNEE, alkali soap builder, Wyandotte Chemicals Corp.
PAY-TEK, concentrated anhydrous emulsifier, Patek & Co.
PAYTEXOL, oil, paint and grease remover, Patek & Co.
PC CONCENTRATE, strong soap, Huntington Laboratories, Inc.
PC 450, neutral vegetable potash soap, E. F. Drew & Co., Inc.
PEABODY, gas, oil, coal burners, air heaters, Peabody Engineering Corp.
PEARL, built soap, flake and granulated, Colgate-Palmolive Co.
PEELCOTE, protective coating for metal parts, Watson Standard Co.
PEERLESS, laundry cover cloth, two ply cover duck, Thomaston Mills
PEERLESS, nylon net, Gibraltar Fabrics, Inc.
PEERLESS, pumps, Peerless Pump Div., Food Machinery Corp.
PEERLESS, built soap-syndet, Swift & Co., Industrial Soap Div.
PEERLESS, scales, Triner Scale & Mfg. Co.
PEERLESS BEACON, laundry marking tags, Boston Clip & Tag Co.
PEET, white laundry bar soap, Colgate-Palmolive Co.
PEE-VEE, lacquer remover, Riverside Mfg. Co.
PELL D, wetside water repellent, Lustrol Drycleaning Products, Div. Patek & Co.
PELL W, wetside water repellent, Lustrol Drycleaning Products, Div. Patek & Co.
PELLERIN-MILNOR, laundry, drycleaning extractors, Pellerin Milnor Corp.
PENBRITE, alkaline detergent, Pennsylvania Salt Mfg. Co.
PENETEX, detergent, Stadham Co., Inc.
PENETRO, marking ink, National Marking Machine Co.
PENETROIL, grease solvent, H. Kohnstamm & Co., Inc.
PENETRON, glue solvent, Better Packages, Inc.
PENETRONE, starch, H. Kohnstamm & Co., Inc.
PENLO, engine lubricator, Lunkenheimer Co.
PENNANT, drycleaning soap, Davies-Young Soap Co.
PENN DRAKE WASHOIL, oil treatment of linens, Pennsylvania Refining Co.
PENNSYLVANIA, tires, tubes, batteries, Pennsylvania Rubber Co.
PENOZONE, bleach, Pennsylvania Salt Mfg. Co.
PENSAL, alkaline detergent, Pennsylvania Salt Mfg. Co.
PENSAL-B, alkaline detergent, Pennsylvania Salt Mfg. Co.
PENSAL-M, alkaline detergent, Pennsylvania Salt Mfg. Co.
PENSAL-O, alkaline detergent, Pennsylvania Salt Mfg. Co.
PENSO, spotting agent, A. L. Wilson Chemical Co.
PENSUDS, wetcleaning detergent, Pennsylvania Salt Mfg. Co.
PEN-TRATE, spotting aid, Kennedy Products Co.
PENTROX, emulsifier, penetrant and stain remover, Pennsylvania Salt Mfg. Co.
PEPO, prespotter, Stadham Co., Inc
PEPSOL, drycleaning filter soap, A. F. Wolke Co.
PER, automatic drycleaning unit, Vic Cleaning Machine Co.
PERCHLOR 600, drycleaning unit, Manitowoc Engineering Corp.
PERCHLORETHYLENE, solvent, Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp.
PERCHLORON, bleach, Pennsylvania Salt Mfg. Co.
PER-CLAIMER, filter sludge cooker and solvent reclaimer, Per Corporation
PER-CLEER, solvent still, Per Corporation
PERCLENE, drycleaning solvent, E. I. du Pont de Nemours & Co., Inc.
PERCLOR, drycleaning tumbler and solvent reclaimer, American Cleaners Equipment Co., Div., American Laundry Machinery Co.
PER-COOLER, solvent temperature conditioner, Per Corporation
PERDOX, sodium perborate monohydrate, E. I. du Pont de Nemours & Co., Inc.
PERFECT, wheat starch, Keever Starch Co.
PERFECTA, steam and air spotting gun, Florian J. Hyman
PERFECTION, corn starch, Huron Milling Co.
PERFECTION, reducing valves, American District Steam Co., Inc.
PERFECTION, white neutral soap, Beach Soap Co.
PERFECTO, synthetic powder, National Cleaners Chemical Mfg. Co.
PERFECT WHEAT, laundry starch, Keever Starch Co.
PERFEX, controls and regulators, gauges, Perfex Corp.
PERFEX, press pads, Resillo Co.
PERFUMED STARCH, starch, Gilcor Mfg. Co., Inc.
PERK, for all synthetic drycleaning, Stauffer Chemical Co.
PERK-O-MATIC, synthetic drycleaning machine, Pantex Mfg. Co.
PERK-O-MISER, synthetic recovery tumbler, Pantex Mfg Co.
PERKLOR, synthetic solvents, Dow Chemical Co.
PERLITE, soap builder, H. Kohnstamm & Co., Inc.
PERMAFIBER, fiber material for manufacturing laundry and drycleaning tags, Permafiber Corp.
PERMA-FLOW, drycleaning detergent, Edlemuth Mfg. Chemists
PERMA-FOLD, replacement collars and cuffs, Zuckerberg Co.
PERMA KLEER 80, chemical water conditioner, Refined Products Corp.
PERMA-MARKER, marking kit, Wm. J. Nicholson Laboratories
PERMA - NET - MARKERS, identification tags, Speare Co.
PERMA-NETS, rubber washing nets, Speare Co.
PERMANITE, acid- and alkali-resisting flooring, Maurice A. Knight
PERMAPROOF, flameproofing agent, B. F. Goodrich Co.
PERM-A-TEX, nylon press covers, X. S. Smith, Inc.
PERMATIZED, marking tags and tape, indelible marking ink, Wm. J. Nicholson Laboratories
PERMO, flameproofing, mothproofing agent, Per-Mo Products Co.
PERMOBOND, rubber-lined tanks, pipe and pipe fittings, U. S. Rubber Co.
PERMOPAD, pads for handkerchief ironer, Resillo Co.
PERMOTEX, nylon press covers, X. S. Smith, Inc.
PERMUTIT, water softeners, filters, Permutit Co.
PERMUTIT Q, ion exchanger, water conditioner, Permutit Co.
PERONE, hydrogen peroxide, E. I. du Pont de Nemours & Co., Inc.
PERSONALIZED, garment bags, Rassenfoss Bag Co., Inc.
PERSPIR-X, perspiration remover, Paper Chemicals, Inc.
PETAL SMOOTH, starch, Clinton Foods Inc.
PETRYN, oil, paint and grease remover, Patek & Co.
PFAFF, sewing machines, Pfaff Sewing Machine Sales Co.
PHENOLITE, non-ionic synthetic soap, New South Mfg. Co., Inc.
PHILABELT PRESERVATIVE, belt dressing, Philadelphia Belting Co.
PHILCO, storage batteries, Philco Corp.
PHOENIX "SELF STICK," shirt bands, Phoenix Products Co.
PHOTOSWITCH, timers, pilots, relays, controls, Photoswitch, Inc.
PHOTRONIC, photoelectric cell, Weston Electrical Instrument Corp.
pH-PLUS, briquet alkali for water softening, Mathieson Chemical Corp.
PIAZZA, conversion unit, synthetic drycleaning systems, Piazza Engineering Co.
PICK, water heaters, Pick Mfg. Co.
PICRIN, volatile spotting compound, R. B. Street & Co., Inc.
PIEDMONT, leather belting, waterproof leather belting, Charlotte Leather Belting Co.
PILGRIM, press cloth, Thomaston Mills
PIL-O-BAR, pillow renovator, Wichita Precision Tool Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

PILOT, non-waterproof belt cement, Webb Belting & Supply Co.
PILOTRON, air-operated pilot, Bailey Meter Co.
PINESOL, pine oil break solution, Patek & Co.
PINLUB, wetcleaning soap, Package Chemical Co., Inc.
PIN-O-TEX, pine oil detergent, Slater-Robbins Co., Inc.
PIOLET, *buttons, Piolet Button & Novelty Corp.*
PIONEER, nylon laundry nets, Benwall Mfg. Co., Inc.
PIONEER, *oil cups, Lunkenheimer Co.*
PIONEER, wrapping twine, cable cord, Thomaston Mills
PISTON-RING, expansion joint, American District Steam Co., Inc.
PITTCHLOR, calcium hypochlorite, Columbia-Southern Chemical Corp.
PITTSBURGH, *paints, Pittsburgh Plate Glass Co., Paint Div.*
PITTSBURGH, wire garment hangers, Pittsburgh Hanger Co.
PIXALL, lint remover, John E. Coolidge Co.
PLANER BRAND, leather belting, Philadelphia Belting Co.
PLASTIC INSULATION, *insulating cement, Mexico Refractories Co.*
PLASTIC QUIK-PACH, plastic firebrick, A. P. Green Fire Brick Co.
PLASTIC-VU, plastic shirt bag, Time Savers, Inc.
PLAS-TIES, hanger ties and marking flags, Plas-Ties Co.
PLASTYLON, *nylon laundry nets, Carson Textile Co., Inc.*
PLEASANT ODOR, fur cleaning fluid, Bernard Sirotta Co.
PLEX, digester, Patek & Co.
PLEXTON, reinforced plastic trucks, G. B. Lewis Co.
PLEZURE, *a concentrated spotting soap, Caled Products Co., Inc.*
PLIOFILM, bags for shirts, garments, blankets, etc., Clear-View Packaging Co.
PLIBRICO, jointless firebrick, incinerators, boiler setting, Plibrico Co.
PLIOJET, smoke eliminators, Plibrico Co.
PLUS, *spotter (wet or dry), Adco, Inc.*
PNEUMATIC BAGGER, bagging of garments, Detrex Chemical Industries, Inc.
POCKETEERS, pocket forms, Leef Bros., Inc.
POINT-OF-USE, insulated equipment, Remington Rand, Inc.
POLAR BEAR, fur cleaning compound, Walter Haertel Co.
POLAR BEAR, fur cleaner, Nycco Products Co.
POLAR BREEZ, air conditioning units, air washers, air exhausters, Air Cooling Engineering Co.
POLARIS, fur glazing cleaner, Walter Haertel Co.
POLARIZED, wholesale fur cleaning and storage, Walter Haertel Co.
POLARSUDZ, *cold-water built soap, Beach Soap Co.*
POLARTONE, laundry sour, G. S. Robins & Co.
POLYMARK, marking machines, Pinnacle Products Corp.
POMONA, *turbine pumps, Fairbanks Morse & Co.*
PONCHO, wet water repellent, Patek & Co.
PONY, laundry presses, Prosperity Co., Inc.
POOR PETER PILLOW, complete pillow cleaning service, R. Lally Co.
POPKINS, store fixtures, Popkins Fixture Co.
PORTA-PAK, *autographic register, Egry Register Co.*
PORTO-FAB, prefabricated buildings, Porto-Fab Co., Inc.
POSTAGE-METER, postage meter tape, Gummed Tape & Devices Co.
POW, drycleaning soap, Keystone Aniline & Chemical Co., Inc.
POWDER DISPENSER, filter powder dispenser, Powder Dispenser Co.
POWER CHARGE, strong drycleaning soap, Benda Products, Inc.
POWER CIRCLE, *presses, Prosperity Co., Inc.*
POWER-FLEX, underfeed stokers, Link-Belt Co.
POWER-FLOW, roof ventilator, DeBothezat Fans Div., American Machine & Metals, Inc.
POWERMASTER, packaged automatic boilers, Orr & Sembower, Inc.
POWERMASTER, *stacker, Lewis-Shepard Products, Inc.*
POWER-PAK, drycleaning detergent, Pennsylvania Salt Mfg. Co.
POWER-PAK, packaged automatic boilers, Orr & Sembower, Inc.
POWERSON, fire-fighting nozzles, American-La France-Foamite Corp.
POWER-VEYOR, permanently mounted horizontal belt conveyor, Rapid-Standard Co., Inc.
POW PLUS, dry powdered soap, Keystone Aniline & Chemical Co., Inc.
POWR PLUS, *air-operated laundry presses, Pantex Mfg. Corp.*
PRATT & CADY, brass and iron valves, Reading-Pratt & Cady Div., American Chain & Cable Co., Inc.
PRE CLEEN, ammoniated prespotter, Benda Products, Inc.
PREE-HEET, return systems, Fred H. Schaub Engineering Co., Inc.
PRE-KRETE, tank lining special formula cement lining, Patterson-Kelley Co., Inc.
PRE-MARKED STRIP TAG, *solvent- and water-proof marking tags, Pre-Marked Strip Tag Co.*
PREMIER, gas engine lubricators, Lunkenheimer Co.
PREMIER, *laundry nets, Fablok Mills, Inc.*
PRE-OIL-BREAK, oil, grease, tar stain remover, wet and dry, Warco Laboratories
PREPCO, antiseptic soap, Lincoln Research, Inc.
PREPEL, water repellent, Stamford Chemical Co.
PRESET, a type of free-vane air-operated controller, Bristol Co.
PRES-GRIP, shaping and finishing wetcleaned and dyed garments, Pres-Grip Corp.
PRESMOR, nylon press covers, Tingue, Brown & Co.
PRESO, *heavy prespotter, G & G Chemical Co.*
PRE-SPOTTER, heavy-body prespotter, Caled Products Co., Inc.
PRE-SPOTTER, prespotter, Patek & Co.
PRESPOTTER S, prespotter, Nu-Pro Mfg. Co.
PRESPOTT XX, prespotter for heavy soil, Lustrol Drycleaning Products, Div. Patek & Co.
PRESS MASTER, electric steam generator, Automatic Steam Products Corp.
PRESS'N 'STIK, truck or window poster, Capitol Poster Service
PRESSTITE, flexible metal connector for modern laundry and pressing machines, American Brass Co., American Metal Hose Div.
PRESTO, *self-sealing paper bands, Nashua Corp., Sure-Hold Div.*
PREST-O CLEANER, press-head cleaner, Stadham Co., Inc.
PRESTOPRESS, air-operated drycleaning presses, Goldman Pressing Machine Corp.
PRIDE, batch detergent, Lustrol Drycleaning Products, Div. Patek & Co.
PRIDE, washing powder, Swift & Co.
PRIMA BRAND, leather belting, Philadelphia Belting Co.
PRIMARY SIZE, blended starch, Wyandotte Chemicals Corp., J. B. Ford Div.
PRIME SOHP, soap, Beach Soap Co.
PRIMS COVER A BUTTON, *button molds, William Prym, Inc.*
PRINTWEIGH, weight printing scales, Toledo Scales Co.
PROCTOR & SCHWARTZ, automatic shampooing and drying systems for rugs, Proctor & Schwartz, Inc.
PRODUCTIMETERS, counting machines, Durant Mfg. Co.
PRODUCTO, timer, American Laundry Machinery Co.
PROFINE PASTE, fatty ester base fabric finish, Proctor & Gamble Distributing Co.
PROLYTE, enzymic digester, Allen & Vickers, Inc.
PROMATIC, timers, General Control Co.
PROOF, emulsion type batch soap, Lustrol Drycleaning Products, Div. Patek & Co.
PROPASOL, solvent, Carbide & Carbon Chemical Corp., Unit of Union Carbide & Carbon Corp.
PROSPERITY, *complete line of laundry and drycleaning equipment, Prosperity Co., Inc.*
PROSPERITY, apron duck and cover cloth fabrics, Mount Vernon Mills, Inc.
PROSPERTROL, automatic washer controls, Prosperity Co., Inc.
PROTECTO, identification systems, American Laundry Machinery Co.
PROTECTOGRAPH, checkwriters, check signers, Todd Co., Inc.
PROTECTO, colored fabric pick-up bags, F. H. Bonn Co.
PRO-TEK, *protective hand cream, E. I. du Pont de Nemours & Co., Inc.*
PROTEX, toilet soap, Iowa Soap Co.
PRYM'S SUPER STEEL SONOMOR, pins, safety pins, staples, William Prym, Inc.
P22, hand stapler, Arrow Fastener Co.
PUF-FINISHER, *puffers, steam puff irons, Bishop David Freeman Co.*
PULVOAX, powdered wax, Lewis National Corp.
PURATIZE, mildewproofing, Aqua-Sec Corp.
PURE-FLO, still, Butler Mfg. Co.
PURE-TEX, *laundry bactericide, Cidex Corp.*
PURGE-O-SOL, drycleaning soap, G & G Chemical Co.
PURGO, soap builder, Minnesota Chemical Co.
PURITAN, straight pins, snap fasteners, Oakville Co., Div., Scoville Mfg. Co.
PURITAN, press cloth, Thomaston Mills
PURITY, *soap flakes, soap, Iowa Soap Co.*
PURITY, sour, Thompson-Hayward Chemical Co.
PURKETT, shakeout and conditioning tumblers, assembly reels, bins, Purkett Mfg. Co.
PURKETT PCT, pre-drying conditioning tumbler, Purkett Mfg. Co.
PURO, *spotting compound, Adco, Inc.*
PUR-O-CEL, filter, Proportioneers, Inc.
PURODIESEL, lubricating oils for diesel engines, Pure Oil Co.
PUROLENE, *lubricating oils, Pure Oil Co.*
PUR-O-SAN, *drycleaning soap, Huntington Laboratories, Inc.*
PURPLE EDGE, padding, Egan Cotton Mills
PYRAMID, laundry nets, R. Lally Co.
PYRAMID, *liquid color stripper, Washine National Sands, Inc.*
PYRATEX, *lipstick, nail polish, paint remover, R. R. Street & Co., Inc.*
PYRO, liquid soap, National Cleaners Chemical Mfg. Co.
PYRO, *surface thermometer, Pyrometer Instrument Co., Inc.*
PYROFLEX, acid and alkali resisting paints, Maurice A. Knight
PYRON, press covers, Southern Mills, Inc.
PYRO-SOAP, wetcleaning soap, National Cleaners Chemical Mfg. Co.
PYROTRON, resistance thermometer, Bailey Meter Co.

Q

Q-D, *spotting agent, A. L. Wilson Chemical Co.*
Q & S, counter rack, Ink-O Products Co.
Q-T, *heat recirculators, Kisco Boiler & Engineering Co.*
Q-CHROMASTIC, veener coating for furnace walls, Quigley Co., Inc.
Q-CHROME, refractory material, Quigley Co., Inc.
Q-1, airform coat finisher, U. S. Hoffman Machinery Corp.
Q-7, drier or semi-finisher, U. S. Hoffman Machinery Corp.
Q-2, airform ladies' jacket finisher, U. S. Hoffman Machinery Corp.
QUADRA-CLENE, rug-washing machine, Moore's Time-Saving Equipment, Inc.
QUADRAFOS, water conditioner, detergent, dispersing agent, Rumford Chemical Works
QUAKER BLUE, laundry blue, Pennsylvania Salt Mfg. Co.
QUAKER IMPROVED, chlorinated lime, bleach, Pennsylvania Salt Mfg. Co.
QUALITEX, press covers, puff iron covers, sponge pads, tumbler pads, press cloths, extractor covers, filter bags, double-face flannel, Quality Products Co.
QUALITY, *net pins, Key-Tag Checking System Co.*
QUEEN, *wire hangers, Vail Mfg. Co.*
QUEEN CITY, boilers, tanks and preheaters, Queen City Engineering Co., Inc.
QUICK AID, linen fire hose, fire extinguishers, General Detroit Corp.
QUICK BREAK, break powder, Wyandotte Chemicals Corp.
QUICK ELASTIC, liquid and powdered starch, Hubinger Co.
QUICKLIFT, trucks, Lewis-Shepard Products, Inc.
QUIGLEY, *fire brick, Quigley Co., Inc.*
QUIK-CUT, wrapping table, Coffman Mfg. Corp.
QUIK-CUT, *wrapping table, Norman Control Co.*
QUIK-LOK, *shirt boxes and collar supports, Century Paper Products*
QUIK-PAC, *laundry packaging supplies, Quik Pac Div., H. Wesley Hutchins Co.*
QUIK-PACH, fire brick, A. P. Green Fire Brick Co.
QUIK-STEAM, press, Butler Mfg. Co.
QUIKTAG, laundry marking tag, Boston Clip & Tag Co.
QUIK-TEMP, heating system, Fred H. Schaub Engineering Co., Inc.
QUILON, chrome complex, E. I. du Pont de Nemours & Co., Inc.
QWIK-GO, *liquid digesting agent, A. L. Wilson Chemical Co.*

R

R.C.C., rug cleaning and finishing compound, soaps, Lewis National Corp.
R.C.U., *rug and upholstery soap, Keystone Aniline & Chemical Co., Inc.*
R.G.F., stain remover, Riverside Mfg. Co.
R.H.P. CASCADE, laundry washer with removable horizontal partitions, American Laundry Machinery Co.
R-M, asbestos products, packing friction materials and rubber products, Raybestos-Manhattan, Inc.
R & O COMPOUND, shop towel and overall washing compound, Speedlite Chemicals Co., Div. Patek & Co.
RP, high pressure boiler, Titusville Iron Works Co., Div. Struthers Wells Corp.
RP&C, valves, Reading-Pratt & Cady Div. American Chain & Cable Co., Inc.
RSR, digestive spotting agent, Wallerstein Co., Inc.
R-x, *spotter, Caled Products Co., Inc.*
RAINBOW, *plastic garment hangers, Henry Hanger Co. of America*
RAINBOW, spotting pencils, Eaton Chemical & Dyestuff Co.
RAK-GUIDE, rack index for separating garments alphabetically, Para-Lux Products Co.
RAM, drycleaning soap, Adco, Inc.
RAMPELLENT, water repellent, Perm-Aseptic Corp.
RAMSEY, *chain drive, chain drive sprockets, shaft couplings, Ramsey Chain Co., Inc.*
RAMTITE, plastic refractory, Ramtite Co., Div. S. Obermayer Co.
RANAREX, combustion recorder, Permutit Co.
RANDE, metal press pads, Bergen Machine & Tool Co., Inc., Rande Unit Springs Div.
RAPID POWER BOOSTER, portable power belt conveyor, Rapids-Standard Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

RAPID ROLLER, conveyor, Rapids-Standard Co., Inc.
RAPID-WHEEL, conveyor, Rapids-Standard Co., Inc.
RAPISTAN TABLE-VEYOR, belt conveyor to facilitate general handling of laundry bundles, Rapids-Standard Co., Inc.
RAY, oil and gas burners, pumps, Ray Oil Burner Co.
RAYBESTOS, brake lining, clutch facing, brake blocks, Raybestos-Manhattan, Inc.
RAY-METL, clutch facings, Raybestos-Manhattan Co.
RAYS, tape, Speare Box Co., Inc.
RAYS KRAFT, packaging supplies, Speare Box Co., Inc.
RAYTEN, cold-water soap, John T. Stanley Co., Inc.
READY-PACK, cast split repair sleeves, Dresser Mfg. Div., Dresser Industries, Inc.
RECEIV-O-MARKER, identification systems, Best Forms Co.
RE-CIRK-IT, circuit breakers, Heinemann Electric Co.
RECLAMITE, stain remover, H. Kohnstamm & Co., Inc.
RECORDAK, accounting machines and systems, record systems, Recordak Corp.
REC-TONE, drycleaning detergent, Riverside Mfg. Co.
RED ARROW, feed ribbon, Southern Mills, Inc.
RED CHIEF, rubber belting, Webb Belting & Supply Co.
RED EDGE, pads and padding for flatwork ironers and press machines, Knitted Padding Co.
RED FLASH, water heaters, Pick Mfg. Co.
RED & GREEN LINE, laundry fabrics, Hettrick Mfg. Co.
REDI-COUNT ROLLS, identification system, Pittsburgh Tag Co.
REDI-CUT, flannel press pads, F. H. Bonn Co.
REDILIFT, trucks, Lewis-Shepard Products, Inc.
REDI-MARK, strip tags, Pittsburgh Tag Co.
REDI-TAG, pre-printed marking tag, Larton Products Co., Inc.
RED LABEL, tallow soap, Beach Soap Co.
RED LINE, flatwork ironer aprons, Pittsburgh Waterproof Co.
RED-LINE, garment drier, Hopkins Equipment Co.
RED LINE, greases, oils, lubricants, Union Oil Co. of California
REDOTEX, neutral red oil flakes and powder, Allen B. Wrisley Co.
RED STAR, diapers, towels and toweling, George Wood Sons & Co.
RED STAR, feed ribbons, New York Belting & Packing Co.
REDUCO, liquid color stripper, Washine National Sands, Inc.
REDUCTORS, speed reducers, Boston Gear Works, Inc.
REDUX, indelible ink remover, Boston Clip & Tag Co.
RED-WHITE-BLUE, matched pants and shirts for rental uniforms, Shreveport Garment Mfg. Co.
REE-DRAPE, dry sizing and finishing compound, drycleaning, Riverside Mfg. Co.
REESCO, powdered laundry soap, Minnesota Chemical Co., Inc.
REE-TONE, drycleaning detergent, Riverside Mfg. Co.
REEVES ARMY TWILL, uniform cloth, Reeves Brothers, Inc.
REFINITE, zeolite water softeners, Elgin Softener Corp.
REFLEXIT, replasticizer, Patek & Co.
REGAL, engines, Ames Iron Works
REGAL, neutral synthetic detergent, Armour & Co.
REGENT, 30-pound synthetic drycleaning unit, Detrex Corp.
REGULAR DREST, paste leather finish for smooth leathers, Caled Products Co., Inc.
REGULAR DRI SHEEN, detergent for charged system, Adco, Inc.
REGULAR SOUR, sours, Keever Starch Co.
REINTJES, dependable arches, suspended walls, Geo. P. Reintjes Co.
REKAB, powdered soap, soap chips, Minnesota Chemical Co.
RELIABLE, fur cleaning and fur storage equipment, Reliable Machine Works, Inc.
RELIANCE, a.c. and d.c. motors, motor generators, Reliable Electric & Engineering Co.
RE-LOGIK, powdered soap, Minnesota Chemical Co.
REMA "DRI-VACS", vacuum systems for presses, Rema Corp.
REMINGTON, electric typewriters, accounting and calculating machines and other office equipment and supplies, Remington Rand, Inc.
REMO, cover-cloth fasteners, rack clips, net and marking pins, trays, safety and steel pins, overall tags, Risdon Mfg. Co.
RENARDS', leather cleaning and dyeing, Renards'
RENEWO, angle, check and globe valves, Lunkenheimer Co.
RENEX, detergents, Atlas Powder Co., Industrial Chemicals Dept.
RE-NU, potash saponified resin and fatty acids, Armour & Co.
RE-NU-IT, solvent pump, Viking Pump Co.
RENUIT, liquid starch, Washine National Sands, Inc.
REO, motor trucks, Reo Motors, Inc.
REP, water repellent, R. R. Street & Co., Inc.
REPELEX, water repellent, Dixo Co.
REPEL-O-MOTH TANK, mothproofing equipment, Repel-O-Products Div., North American Merchandising Co.
REPUBLIC, controls, instruments, Republic Flow Meters Co.
RE-PURGO, powdered soap, Minnesota Chemical Co.
RESEARCH, leather belting, Graton & Knight Co.
RESEARCH, zeolite, Research Products Corp.
RESILLO, press pads, Resillo Co.
RESIN FELT, nylon D. F. flannel, heat resistant, Gibraltar Fabrics, Inc.
RESINTEX, nylon press cloths and press covers, Gibraltar Fabrics, Inc.
RESISTI-CAL, weather-proofing product, Caled Products Co., Inc.
RESISTO, industrial marking ink, National Marking Machine Co.
RESIZET, sizing, Takamine Laboratory, Div., Mills Laboratories, Inc.
RESSYN, zeolite, Hungerford & Terry, Inc.
RESTORTEX, liquid sizing, National Cleaners Chemical Mfg. Co.
RESYN ADHESIVES, glues, gums, sizings, starches, National Starch Products, Inc.
RETRON, flatwork ironer, American Laundry Machinery Co.
REVERE, copper and brass, Revere Copper & Brass, Inc.
REVERE SHOWMASTER, floodlights and lighting equipment, Revere Electric Mfg. Co.
RE-VI, water repellents, Davies-Young Soap Co.
REVOLITE, flatwork ironer covers and pads, Revolite Div., Raybestos-Manhattan, Inc.
REVOLON, feed ribbon, Revolite Div., Raybestos-Manhattan, Inc.
REX, soluble liquid drycleaning soap, Davies-Young Soap Co.
REX, tool steels, Crucible Steel Co. of America
REXAIR, humidifier cleaner, Prosperity Co., Inc.
REXALLOY, cast tool bits, Crucible Steel Co. of America
REX-FLEX, metal hose, Flexonics Corp.
REX-TITE, heat-proof reattachable couplings, Flexonics Corp.
REX-TUBE, flexible metal hose, Flexonics Corp.
REX-WELD, metal flexible hose, tubing, Flexonics Corp.
REZ, charged soap solvent conditioner, U. S. Mining Corp.
REZEX, resinous zeolite, Elgin Softener Corp.
REZISTAL, stainless steel, Crucible Steel Co. of America
REZONE, resinons zeolite, Elgin Softener Corp.
R-51, drycleaning unit, Shields Engineering & Mfg. Co.
R-51A, drycleaning unit, Shields Engineering & Mfg. Co.
R. H. CONTROL, electronic drycleaning relative humidity control, Adrian Research & Chemical Co.
RHINAMEL, heavy duty enamel, Tropical Paint & Oil Co.
R. H. P. CASCADE, laundry washer with removable horizontal partitions, American Laundry Machinery Co.
RIBBON DELUXE, cotton ribbon, Milwaukee Printed String Co.
RIBBON RITE, marking machine, Textile Marking Machine Co., Inc.
RICE'S, paint products, Barreled Sunlight Paint Co.
RIDDAX, special alkali compound, Wyandotte Chemicals Corp., J. B. Ford Div.
RIMACO, size, stripper, wetcleaning soap, Riverside Mfg. Co.
RIMACO GENERAL FORMULA, ink and stain remover, Riverside Mfg. Co.
RINFORS DC, detergent, drycleaning, charge type, Sandoz Chemical Works, Inc.
RINFORS S, paint and grease remover, Sandoz Chemical Works, Inc.
RINK-L-FREE, garment distributor, Time Savers, Inc.
RINSOMATIC, laundry washer control, American Laundry Machinery Co.
RINTEX, soap and alkali compound, Wyandotte Chemicals Corp., J. B. Ford Div.
RINZAID, rinse promoter, Speedlite Chemicals Co., Div. Patek & Co.
RISDON, cuff fasteners, marking flags and targets, Risdon Mfg. Co.
RISDON DRESSMAKER, straight pins, Risdon Mfg. Co.
RISOGRAN, powdered soap, Allen B. Wrisley Co.
RITESIZE, dry to the wheel linen sizing, Speedlite Chemicals Co., Div. Patek & Co.
RIVERSIDE, wet spotter, carpet shampoo, stripper, Riverside Mfg. Co.
ROADOL, paint, oil and grease remover, Package Chemical Co., Inc.
ROADOL L, wet spotter, Package Chemical Co., Inc.
ROBERTS, numbering machine, Roberts Numbering Machine Co.
ROBERTS, press boards, Roberts Mfg. Co.
ROBINETS, laundry nets, G. S. Robins & Co.
ROBINS, acetic sour, G. S. Robins & Co.
ROBOT, self-contained automatic washers, Robot Laundry Machinery Sales, Div. Wolf Co.
ROCCAL, germicide, Sterwin Chemicals, Inc.
ROCKET, laundry presses, Troy Laundry Machinery Div., American Machine & Metals, Inc.
ROCKET-PER, synthetic solvent drycleaning unit, Vic Cleaning Machine Co.
ROCKWEAVE, laundry textiles, aprons, cover and filter cloth, double-face flannel laundry nets and wrapping twine, Callaway Mills, Inc.
RO-FLO, air compressors, vacuum pumps, Allis-Chalmers Mfg. Co.
ROK-RIB, laundry nets, Whitehouse Nylon Products
ROLA-RUG, rug rolling and packaging machines, Lincoln Products, Inc.
ROLL-A-TAPE, marking tape, Liberty Marking Tag Co., Inc.
ROLLERVEYOR, roller conveyor, Mechanical Handling System, Inc.
ROLL-ON-SEAL, gummed tape dispensers, Roll-on-Sealer Co.
RONAFLEX, elastic synthetic tubing with woven metal wire cover, Ronaflex Tubing Co., Inc.
RO-NOR, stain remover, H. Kohnstamm & Co., Inc.
ROOFKOTER, roof material, Tropical Paint & Oil Co.
ROOT BAGGER, garment bagger, Huebsch Mfg. Co., Div. American Laundry Machinery Co.
ROSS, solvent coolers, heat exchangers, Kewanee-Ross Corp.
ROSWELL, woven nylon laundry nets, Southern Mills, Inc.
ROTAIRE, conditioning tumbler, American Laundry Machinery Co.
ROTAY, condensation meters, American District Steam Co., Inc.
ROTARY, soot blower, Marion Machinery Foundry & Supply Co.
ROTEX, drycleaning extractor, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
ROTH, boiler feed units, pumps, Roy E. Roth Co.
ROTO BRUSH, portable, electric upholstery shampoo machine, Certified Chemical & Equipment Co.
ROTO-KLEEN, filter, Bowser, Inc.
ROTO-MATIC, rotating laundry process units, Unipress Co.
ROTO-SCREEN, waste water screening device, Patterson-Kelley Co., Inc.
ROTO-SORTER, Kleen-Hamper, Inc.
ROUND "R", steel boiler, coal, oil, gas stoker, Kewanee Boiler Corp.
ROUND THE BUTTON, shirt-ironing press pads, Resillo Co.
ROYAL, brass safety pins, Risdon Mfg. Co.
ROYAL, medium titer, coco-tallow chip, neutral soap, Armour & Co.
ROYAL, rubber hose, rubber belting, U. S. Rubber Co.
ROYAL CALENDER, cylinder type flatwork ironer, American Laundry Machinery Co.
ROYAL FLASH, match book, Universal Match Corp.
ROYAL OAK, leather belting, Webb Belting & Supply Co.
ROYAL PINE, soaps, Iowa Soap Co.
ROYAL WORCESTER, lace leather, Graton & Knight Co.
RP NO. 757, stain remover, H. Kohnstamm & Co., Inc.
RUBA-WEEV, rubber runner matting, American Floor Products Co.
RUBBER BASE, primer sealer, Tropical Paint & Oil Co.
RUBBER CITY, roofing materials, Rubber City Mfg. Co.
RUBEROID, built-up roofing materials, Ruberoid Co.
RUBINOFF, tags, certificates, guarantees and supplies, M. Rubinoff, Inc.
RUGGLO, rug cleaning soap, Merson Products Co.
RUG-IT, rug cleaning detergents, Certified Chemical & Equipment Co.
RUG-O, rug and carpet soap, Davies-Young Soap Co.
RUG SHAMPOO, rug and upholstery cleaning soap, Caled Products Co., Inc.
RUSCO, belts, beltings and webbing, Russell Mfg. Co.
RUSKO, water conditioner, Wyandotte Chemicals Corp.
RUSO, fuel oil treatment, National Chemical Sales Co., Inc.
RUST BAR, paint, rust preventative, Midland Paint & Varnish Co.
RUST-E-LIM, rust remover, Johnson Chemical Industries, Inc.
RUSTEX, sour, Hood Chemical Co., Inc., Crescent Div.
RUSTEZE, rust solvent, Hood Chemical Co., Inc., Crescent Div.
RUST-GO, rust remover, A. L. Wilson Chemical Co.
RUST REMOVER, removes metallic stains, Lustrol Drycleaning Products, Div. Patek & Co.
RUSTICK, rust remover, National Cleaners Chemical Mfg. Co.
RUSTICON SS, rust preventative, Philadelphia Quartz Co.
RUSTIKOTE, rust preventative, Tropical Paint & Oil Co.
RUSTYRASE, rust remover, Hachik Bleach Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

S

S-A, anti-sulfuric-acid valves, Lunkenheimer Co.
S.E.B., wetcleaning soap, E. F. Drew & Co., Inc.
S.I.S., roofing, Barrett Div., Allied Chemical & Dye Corp.
SOH, low-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
SP, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
S-R, spotter for brown and yellow stains, Caled Products Co., Inc.
SSS, anhydrous silicate builder, Patek & Co.
SABIN, glove cleaning machines, Sabin Machine Co.
SACO, speed reducers, Stephens-Adamson Mfg. Co.
SACON, belt conveyor carriers, Stephens-Adamson Mfg. Co.
SACON, water soluble size, Wallerstein Co., Inc
SAFE KUTTERS, cord knife, Time Savers, Inc.
SAFE-TIE ANCHORS, refractory anchors, Ramtite Co.
SAFE-T-BLEACH, organic chlorine bleach, Speedlite Chemicals Co., Div. Patek & Co.
SAFE-T-SOL, dry oil, paint and grease remover, Patek & Co.
SAFE-T-THRIFT, safety solvent unit, Butler Mfg. Co.
SAFETY, diapers, Sani-Top Co.
SAFETY LINEN, sour, Diamond Alkali Co.
SAFEX TRUCLEAN, petroleum solvent drycleaning unit, American Cleaners Equipment Co., Div., American Laundry Machinery Co.
SAF-T-MARKS, marking tags, Stry-Lenkoff & Co.
SAGER SPREADERS, sheet spreaders, M. A. Pocock
SAK-RAK, bag holder, pre-marking containers, cloth bags, Sak-Rak Co.
SALVE-O-LIN, skin salve, Keystone Aniline & Chemical Co., Inc.
SAMOSET, soap, Lewis National Corp.
SAMSON, packing, U. S. Rubber Co.
SAMSONMITE, filter bags, feather bags, extractor covers, soap whips, starch whips, tumbler pads, Manitowoc Cotton Goods Mfg. Co.
SANA-FILTER, low-pressure, filter-type soap, Huntington Laboratories, Inc.
SANA-SIZE, sizing, Huntington Laboratories, Inc.
SANDOFIX WE, fixing agent (dyes) Sandoz Chemical Works, Inc.
SANDOLIX O, leather softener, Sandoz Chemical Works, Inc.
SANDOPAN DTC, detergent, special wet cleaning, Sandoz Chemical Works, Inc.
SANEX, dry, neutral mothproofing agent for use in the wheel, Signal Chemical Mfg. Co.
SANICO, drycleaning soap, Dello Products Co.
SANI-MATIC, brush-spotting machine, Sani-Matic Brusher
SANI-SOUR, antiseptic, all-purpose sour, Keever Starch Co.
SANITEX, baskets, trucks, bags, C. R. Daniels, Inc.
SANITONE, drycleaning process, Emery Industries, Inc., Sanitone Div.
SANITONE "D", prespotter, Emery Industries, Inc., Sanitone Div.
SANITONE 870, solvent conditioner, Emery Industries, Inc., Sanitone Div.
SANITONE MC, mothproofing compound, Emery Industries, Inc., Sanitone Div.
SANITONE NA, neutralizing agent, Emery Industries, Inc., Sanitone Div.
SANITONE SOFT SET, wool finishing oil, Emery Industries, Inc., Sanitone Div.
SANITONE STYLE SET, silk size, Emery Industries, Inc., Sanitone Div.
SANITONE WR, water repellent, Emery Industries, Inc., Sanitone Div.
SANI TOP, diaper cans, diaper pails, deodorants, Sani-Top Co.
SANI-TYPE, heat reclaimer, Patterson-Kelley Co., Inc.
SANI-WHITE, bleach, G. S. Robins & Co.
SAPOTEX, soap compound, G. S. Robins & Co.
SAPPHIRE, stripper and stain remover, Lewis National Co.
SARCO, steam traps, temperature regulators, Sarco Co., Inc.
SARCOCIDE, sour, Slater-Robins Co., Inc.
SARCO-CONCENTRATE, paint and grease remover, Slater-Robbins Co., Inc.
SARCOFLOW, balancing fittings, Sarco Co., Inc.
SARCO-MIST, moth spray, Slater-Robbins Co., Inc.
SARCOSTAT, motor-operated valve, Sarco Co., Inc.
SARCO-SOL, paint and grease remover, Slater-Robbins Co., Inc.
SARCO-TEX, wetcleaning detergent, Slater Robbins Co., Inc.
SARCOTHERM, weather compensated controls, Sarco Co., Inc.
SATINETTE, combination starch, Keever Starch Co.
SAV-A-LOAD, extractor covers, F. H. Bonn Co.
SAVO, 92% powder soap, John T. Stanley Co., Inc.
SAVONOL, wet spotter, Patek & Co.
SAVOY, zippers and zipper parts, B. & G. Lieberman Co.
SAV-WAY TAGS, marking tags, Pre-Marked Strip Tag Co.
SAXMAYER, tying machines, National Bundle Tyer Co.
SCALE-I-CATER, boiler compound, W. F. Johnson Products Co.
SCHAUB, boiler feed and condensation return systems, Fred H. Schaub Engineering Co.
SCHRAMM, air compressors, Schramm, Inc.
SCIENTIFIC, boiler water treatment, Scientific Boiler Water Conditioning Co.
SCOT, shirt packers, MacDonald Services
SCOTCH-MUND, boilers, Mund Boilers, Inc.
SCOTSMAN, washers, Ayr-Mor Machinery Co., Inc.
SCOTTIE, JR., high-pressure riveted boilers, Kewanee Boiler Corp.
SCRAM BLOOD, spotting agents, Warco Laboratories
SCRUB, spot remover, Starr Soap & Chemical Co., Inc.
SCRUB-O-MATIC, garment scrubber, Hopkins Equipment Co.
SD-130, drycleaning tumbler, Hoyt Mfg. Corp.
SEABLUE, blue, Speare Co.
SEA FOAM, soap powder, Colgate-Palmolive Co.
SEALED POWER, totally enclosed fan-cooled motors, Crocker-Wheeler Electric Mfg. Co., Div. Joshua Hendy Iron Works
SEAL MASTER, ball bearings, Stephens-Adamson Mfg. Co.
SEAL SILICATE, silicate adhesive, Philadelphia Quartz Co.
SEALTITE, flexible metallic, synthetic covered, liquid-tight electric wiring conduit, American Brass Co., American Metal Hose Div.
S.E.B. CONCENTRATED, silk and wool soap, E. F. Drew & Co., Inc.
SEC, combination washer extractors, solvent coolers, filters, press, solvent recovery units, Sec-O-Matic Corp.
SEC-CLEANIZED, drycleaning process, Sec-O-Matic Corp.
SECCO, dry water repellent, Patek & Co.
SECTOFOG, moth protection by fogging, Fumol Corp.
SECURITY, marking pins, Risdon Mfg. Co.
SECURITY A-1, lusterizing formula, fur glaze aerosol type, Security Fur Seal Co., Inc.
SEE-SAFE, plastic storage and blanket bags, Mehl Mfg. Co.
SELECTRO, washer control, American Laundry Machinery Co.
SELF-SEAL, adhesive shirt bands, National Paper Band Co.
SELF SERVICE ASSEMBLY, F. W. I. padding (nylon & cotton), Gibraltar Fabrics, Inc.
SELF-STICK, shirt bands, Phoenix Products Co.
SELLERS, steam boilers, open return systems, Sellers Engineering Co.
SENECA, soap, Lewis National Corp.
SENECA, starch, H. Kohnstamm & Co., Inc.
SENIOR, lubricators, Lunkenheimer Co.
SENSIMATIC, accounting machines, Burroughs Adding Machine Co.
SENSITROL, relay, Weston Electrical Instrument Corp.
SEQUESTRENE, water softener, Alrose Chemical Co., Div. Geigy Chemical Corp.
SENTINEL, oil cup, Lunkenheimer Co.
SEPTO, sour, Diamond Alkali Co.
SERDEX, gauges, solvent humidity control, Serdex & Co.
SERVIS RECORDER, time and truck recorders, Service Recorder Co.
SESQUILATE, laundry detergent, Diamond Alkali Co.
7-B, synthetic drycleaning unit, Prosperity Co., Inc.
7C, drycleaning presses, Prosperity Co., Inc.
770, spray-dried to homogeneous free-flowing beads, Lever Brothers Co.
1707, blue, H. Kohnstamm & Co., Inc.
727, curtain and blanket wetcleaning product for wheel washing, Caled Products Co., Inc.
722, rug and carpet soap, Caled Products Co., Inc.
SHAMROCK, canvas baskets, hampers, trucks, Meese, Inc.
SHAN-ELL, printed cellophane bags, laundry packaging supplies, Ellenbogen & Shannon, Inc.
SHAW, collar edger, Reed Mfg. Co.
SHEDITE, waterproof belt cement, I. B. Williams & Sons
SHEEN, sizing, Patek & Co.
SHEER-MAGIC, drycleaning size, Ellenbogen & Shannon, Inc.
SHELBY, tubing, National Tube Co.
SHELF-TYPE, trucks, Market Forge Co.
SHELL, naphtha, stain remover, Shell Oil Co., Inc.
SHELL-SOL, naphtha, petroleum solvent, Shell Oil Co., Inc.
SHELL SOL 140, solvent, Shell Oil Co.
SHELL TOX, insecticide, Shell Oil Co., Inc.
SHERWIN-WILLIAMS, paints, varnishes, enamels, lacquers for maintenance purposes, Sherwin-Williams Co.
SHIELDS, drycleaning units, reclaimers, tubular filters, Shields Engineering & Mfg. Co.
SHINE BRIGHT, liquid scrubbing soap, Hild Floor Machine Co.
SHIPSAFE, bags, Lanning Bag & Specialty Co.
SHIRLAN, textile fungicides, E. I. du Pont de Nemours & Co., Inc.
SHIRTAINER, shirt packaging, Loroco Industries, Inc.
SHIRT BIN, for conveying shirts, J. W. Steele & Co.
SHIRT CHUTE, metal chute for shirt handling, Rosenthal Mfg. Co.
SHIRT PAX, combination shirt board, collar support and box, Package Masters, Inc.
SHIRTRANSPORT, shirt transporter, Bishop David Freeman Co.
SHIRT TRUX, steel shirt bins, Time Savers, Inc.
SHIRT-V-LOPE, printed cellophane shirt bag, Lee Converters, Inc.
SHIRT-U-VEYOR, call office finished shirt conveyor, White Machine Co., Inc.
SHOO, odor destroyer, Caled Products Co., Inc.
SHOWERFEED, floor, rug and carpet scrubbing machines, Hild Floor Machine Co.
SHOP-IN-CAR, rolling call-counter window shelf for drive-in plant, Shop-In-Car Corp.
SHOWER-PRUF, water repellent, Adco, Inc.
SHREDDED, 88% flake soap, John T. Stanley Co., Inc.
SIBUR, mothproofing agent, Sibur Mothproofing Co.
SIDE AISLE, truck bodies, Montpelier Mfg. Co.
SIEBRING, electromatic steam boiler, Siebring Mfg. Co.
SIG, protein spot remover, Signal Chemical Mfg. Co.
SIGNAL, flameproof, insecticide, Signal Chemical Mfg. Co.
SIGNAL A. S. L., anti-static lubricant, Signal Chemical Mfg. Co.
SILENT SERF, vacuum cleaner (industrial, wet and dry), Certified Chemical & Equipment Co.
SIL-EX, black metal washer, Gross Machinery Co., Inc.
SILICON, spun nylon press cover, Phoenix Supply Co.
SILIC-O-NECTIC, time delay relays, Heinemann Electric Co.
SILKANWOOL, silk and wool soap, North Coast Chemical & Soap Works
SILK AND WOOL SOAP, cocoanut oil soap, Patek & Co.
SILTEX, FLAKES, medium-titer soap, Allen B. Wrisley Co.
SILVER KOTE, lacquer, Pittsburgh Waterproof Co.
SILVER LABEL, hatters equipment and supplies, National Hatters Supply Co.
SILVER LEAF, nets, Southern Mills, Inc.
SILVERLINK, roller chains, sprockets, Link-Belt Co.
SILVERSEAL, colored specialty tapes, Gummed Tape & Devices Co.
SILVERSHINE, galvanized garment hangers, U. S. Metals Corp.
SILVERSTREAK, silent chain drives, Link-Belt Co.
SILVERTEEN, wire hangers, Academy Hanger Co., Inc.
SILVERTOP, air trap, V. D. Anderson Co.
SIMCO, static eliminators, Simco Co.
SIMMONS, cuff and tag tacking machines, Chandler Machine Co.
SIMMONS ELECTRO-MEND, mending and patching machines, Chandler Machine Co.
SIMPLEX, break powder, H. Kohnstamm & Co., Inc.
SIMPLEX, laundry tumblers, extractors and washers, flatwork ironers, drycleaning tumblers, Ironer Div., Speed Queen Corp.
SIMPLEX, office machines, time recorders, Simplex Time Recorder Co.
SIMPLEX, oil burners, Simplex Oil Heating Corp.
SINGER, sewing machines, accessories, Singer Sewing Machine Co.
SIPON, wetcleaning detergent, American Alcolac Corp.
SIRCO, tropical nut shells for fur cleaning, Bernard Sirotta Co.
SIRCO FUME, liquid fumigating gas, Bernard Sirotta Co.
SIROCCO, ventilating fans, American Blower Corp., Div. American-Standard
6-T, benzine soap, Midland Color & Chemical Co.
630, paste type drycleaning soaps for caustic or distillation clarification systems, Caled Products Co., Inc.
60 SECOND, solvent, Superior Products Co.
SIZ-A-TIZE, liquid dry sizing, Dixo Co.
SIZE, water-soluble size finish, Davies-Young Soap Co.
SIZE-ALL, liquid sizing, Keystone Aniline & Chemical Co., Inc.
SIZEOFF, enzyme desizing agent, Takamine Laboratory, Inc.
SIZ-IN, hat sizing, Greenville Chemical Co.
SKELLYSOLVE, petroleum solvents, Skelly Oil Co., Industrial Div.
SKIRT KLIPS, skirt clips, West Side Corp.
SKORTEX, wetcleaning compound, Wyandotte Chemicals Corp., J. B. Ford Div.
SKY ROCKET, extractors, Hammond Laundry-Cleaning Machinery Co.
SKYTINT, liquid laundry blue, Kliegman Bros., Inc.
SLACKS SAKS, trouser bags, Phoenix Products Co.
SLEEVE-MASTER, single lay sleever, Forse Corp.
SLICK TRAILER, call office for laundry and drycleaning, Slick Trailer Stores
SLICKER, wire brushes, American Pressboard Co., Inc.
SLIP EASY BRAND, motor oil, boiler and roofing materials, Riverside Chemical Co., Inc.
SLIP-IN, collar protectors, Phoenix Products Co.
SLIP-KNOT, belt dressing, Webb Belting & Supply Co.
SLIP-NOT, special tanned leather belting, Milwaukee Leather Belting Co.
SLIP-ON, hanger shields, Academy Paper Box Co.
SLIP-ON, hanger shields, Larton Products Co., Inc.
SLIP-ON, sleeve press covers, F. H. Bonn Co.
SL-230, tumbler, laundry, rug & carpet, Hoyt Mfg. Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

SLYDE-OUT, washer, Troy Laundry Machinery Div., American Machine & Metals, Inc.
SMASH, break powder, Minnesota Chemical Co.
SMITH-GRANTHAM, tumbler, T. L. Smith Co.
SMOOTH-TEX, press cloth, feed ribbons, Pittsburgh Waterproof Co.
SNAG-PRUF, zippers and zipper repair kits, Steven, Michael Corp.
SNA-PON, trouser guards, Tillery Container Corp.
SNAP-TITE, cover-cloth clamp, J. W. Steele & Co.
SNO MUD CHIEF, truck tires, Mohawk Rubber Co.
SNOWFINE CRYSTALS, alkali cleanser, Solvay Process Div., Allied Chemical & Dye Corp.
SNOWFLAKE CRYSTALS, sodium sequicarbonate, Solvay Process Div., Allied Chemical & Dye Corp.
SOAP-O-MATIC, soap dispenser, Hopkins Equipment Co.
SOAPRITE, soap, Lewis National Corp.
SOF-T, textile softener paste, Marlyn Chemical Co., Inc.
SOFTEE, pressure and vacuum filters, Hammond Laundry-Cleaning Machinery Co.
SOF-T SEPTIC, textile softener paste with germicidal agent for diaper service, Marlyn Chemical Co., Inc.
SOFTEY, diapers, Sani-Top Co.
SO-GO, wetcleaning soap, A. L. Wilson Chemical Co.
SOILSORB, rag and overall detergent, Cowles Chemical Co.
SO-KLEEN PENETRANT, drycleaning detergent, Merson Products Co.
SO KLEEN SY, synthetic drycleaning soap, Merson Products Co.
SOLAR H.D., laundry, rug, carpet and wetcleaning soaps, Swift & Co.
SOLARINSE, optical whitener, Carlton Chemical Co., Inc.
SOLARSUDS, detergent, Carlton Chemical Co., Inc.
SOLAR 25, high sudsing liquid detergent, Swift & Co., Industrial Soap Dept.
SOLBLUE, blue, Speare Co.
SOL BREAK, break powder, Lewis National Corp.
SOLBUMEN, spotting agent, Eaton Chemical & Dyestuff Co.
SOLGON, paint remover, Lewis National Corp.
SOLID CURB, laundry, drycleaning extractors, American Laundry Machinery Co.
SOLIT-AYR, washers, tumblers, extractors, Ayr-Mor Machinery Co., Inc.
SOLIVE, soaps, Lewis National Corp.
SOLOZONE, sodium peroxide, E. I. du Pont de Nemours & Co., Inc.
SOL-SIL-ATE, alkali soap builder, Lewis National Corp.
SOL-SIL-ATE, special alkali compounds, Speare Co.
SOL-SOUR, sour, Lewis National Corp.
SOL SUDS, soap, Lewis National Corp.
SOL-TEMP, solvent temperature control unit, Benton Bros.
SOLTEX, drycleaning detergent, Riverside Mfg. Co.
SOLUBON, textile dyeing assistants, American Aniline Products, Inc.
SOL-U-LUBE, neutral lubricant, Huntington Laboratories, Inc.
SOL-U-NESE, dry and wet spotter, Huntington Laboratories, Inc.
SOL-U SOAP, drycleaning soap, Huntington Laboratories, Inc
SOLVAIR, solvent cooler, Samuel Jackson Mfg. Co.
SOLV-AIRE, synthetic solvent recovery unit, New England Trawler Equipment Co.
SOLVATONE, solvent, Carbide & Carbon Chemical Corp., Unit of Union Carbide & Carbon Corp.
SOLVATROL, drycleaning unit, Shields Engineering & Manufacturing Co.
SOLVENIZED, tire rebuilding and repair material, Mohawk Rubber Co.
SOLVENT MASTER, solvent cooler and preheater, Tripp Mfg. Co.
SOLVENT SAVER, solvent recovery unit, Vic Cleaning Machine Co.
SOLVEX, spotting agent, Spix Products Co.
SOL-VIC, drycleaning unit for use with petroleum solvent, Vic Cleaning Machine Co.
SOLVINK, ink, paint, rust blood stain remover, Greenville Chemical Co.
SOLVINOL, spotting soap, Keystone Aniline & Chemical Co., Inc.
SOLV-O-MARK, indelible marking pen, Mark-O Corp.
SOLVO-MISER, solvent recovery unit, Hoyt Mfg. Corp.
SOL-VO-RUST, sour, Thompson-Hayward Chemical Co.
SOLVO-STAT, solvent conditioner, Hoyt Mfg. Corp.
SOLZYME, digestive agent, Lewis National Corp.
SOME'S, uniforms, badges, embroidered emblems, Some's Terminal Uniforms
SOPE BRAKE, break compound, Patek & Co.
SORBIT, wetting agent, Alrose Chemical Co.
SOVLON, dacron ironer covers, Southern Mills, Inc.
SOURFLO, laundry sour, Wyandotte Chemicals Corp., J. B. Ford Div.
SOUR-TEC, sour, Wyandotte Chemicals Corp., J. B. Ford Div.
SOUTHDOWN, diapers, George Wood, Sons & Co.
SOUTHEASTERN, laundry textiles, Southeastern Textile Co.
SOUTHERN COLONEL, sponge press pads, Southern Mills, Inc.
SOUTHLAND, cellophane bags, Southland Enterprises
SOVASOL 140, petroleum safety solvent, Socony-Vacuum Oil Co., Inc.
SOVASOL 140, Petroleum safety solvent, Socony-Vacuum Oil Co., Inc.
SOYDOL, soap concentrate, A. F. Wolke Co.
SPACEMASTER, stacker, Lewis-Shepard Products, Inc.
SPAN, emulsifier wetting agent, Atlas Powder Co., Industrial Chemicals Dept.
SPARKETTE, detergent, Pennsylvania Salt Mfg. Co.
SPARKLE, chlorophyll deodorant concentrate, American Mothproofing Co.
SPARKLE, drycleaning soap, Starr Soap & Chemical Co., Inc.
SPARKLEAN, drycleaning detergent, Cidex Corp.
SPARKOLOR, detergent emulsifier, Cidex Corp.
SPARTAN, flat and block leather V belt, leather packings, Graton & Knight Co.
SPARATAN, nets, Egan Cotton Mills
SPEARE'S, blues, Lewis National Corp.
SPECIAL EXTRACTOR, leather belt, Webb Belting & Supply Co.
SPECIAL FINISH, starch, A. E. Staley Mfg. Co.
SPECIAL IRONER OIL, cleans, polishes and lubricates flatwork ironers, College Chemical Co.
SPECIAL PER, hot synthetic drycleaning unit, Vic Cleaning Machine Co.
SPECIAL SOUR, laundry sour, Keever Starch Co.
SPECIALTY, garment bagging device, Specialty Devices Co.
SPEED-BAGGER, bagging device, Para-Lux Products Co.
SPEED CHECK, drycleaners identification and work flow system, Speed Check Co., Inc.
SPEEDEE, drying cabinets, Hammond Laundry-Cleaning Machinery Co.
SPEE-DEE, oil and grease remover, Adco, Inc.
SPEEDEX, extractor, Zephyr Laundry Machinery Co.
SPEED-FIBRE, day tags, Market Industries Co., Inc.
SPEED-FLOW, powered conveyor, Speed Check Co., Inc.
SPEED-GRIP, wire hook tags, Liberty Marking Tag Co., Inc.
SPEEDIE, automatic tape sealing machine, Time Savers, Inc.
SPEEDISETS, sales and record forms, Moore Business Forms, Inc.
SPEED KING, tumblers, Hammond Laundry-Cleaning Machinery Co.
SPEEDLIFT, trucks, Lewis-Shepard Products, Inc.
SPEEDLINE, ironers, Troy Laundry Machinery Div., American Machine & Metals, Inc.
SPEEDLITE, synthetics, soaps, wash room products, Patek & Co.
SPEEDMASTER, rug scrubber, Certified Chemical & Equipment Co.
SPEEDMASTER, stackers and portable elevators, Lewis-Shepard Products, Inc.
SPEEDPLUS, filter powder, Dicalite Div., Great Lakes Carbon Corp.
SPEED SET, variable numbering machines, American Numbering Machine Co.
SPEE-D-SHIRT PAK, shirt package, Para-Lux Products Co.
SPEEDS-IT, prespotter, G. & G. Chemical Co.
SPEED-SIZE, "in the wheel" dry fabric sizing for cleaners, Lustrol Drycleaning Products, Div. Patek & Co.
SPEEDSTER, extractor, washers, Prosperity Co., Inc.
SPEEDUX DIPMASTER, water-repellent dip tanks, Devere Co.
SPEED-VAN, delivery trucks, Linn Coach & Truck Div., Great American Industries, Inc.
SPEEDWAY, all-purpose spray type spotter and stain remover, Speedway Chemical Co.
SPEEDWAY, washer, tumblers, starch cookers, truck tubs, Industrial Laundry Machinery Co., Inc.
SPEEDY, washers, driers, water heaters, drycleaning machines, Speedy Washer Mfg. Co.
SPEEDYLECTRIC, steam generators, Pantex Mfg. Co.
SPEEDY-SET, automatic lock bottom carton, Cornell Paperboard Products Co.
SPHERO, iron ball valves, Fairbanks Co.
SPHINX, starch, Arabol Mfg. Co.
SPIRO, steam hot water heaters and nursers, David Stout & Sons
SPIX, prespotter, drycleaning and suede soap, hand cream, Spix Products Co.
SPORTFOLIOS, sport shirt package, Package Masters, Inc.
SPORTLIGHT, sport-shirt folding board, Key-Tag Checking System Co.
SPORT SHIRT, press unit, American Laundry Machinery Co.
SPORTS PAX, window envelope for packaging of sport shirts, Time Savers, Inc.
SPORTSTER, shirt folder, Time Savers, Inc.
SPOTLESS, paste drycleaning soap, National Cleaners Chemical Mfg. Co.
SPOTLESS CHLOROFORM, substitute for chloroform, Slater-Robbins Co., Inc.
SPOTLESS SIZE, synthetic sizing, Slater-Robbins Co., Inc.
SPOTOUT, spotting aids, Kennedy Products Co.
SPOTRIGHT, prespotter, Allen & Vickers, Inc.
SPOTS-GO, spotting agent, paint, oil and grease remover, A. L. Wilson Chemical Co.
SPOTTERS FRIEND, wet spotter, Smith Bros. Co.
SPOT-X, prespotter, Huntington Laboratories, Inc.
SPRA-SPOT, paint, oil grease remover, Kleentest Laboratories
SPRAY DREST, liquid spray finish for suedes or smooth leathers, Caled Products Co., Inc.
SPRAY-MASTER, spray gun, Cleaners Specialties Supplies Co.
SPRAY MIX, coating refractory, Mexico Refractories Co.
SPREE, prespotter, spray spotter, Edelmuth Mfg. Chemists
SPRING-ON, press covers, nylon or cotton
SPUNN DIAMOND, 88% flakes, 92% powder, soaps, Lever Brothers Co.
SPUNYLON, nylon net, Carson Textile Co., Inc.
SPURT, blood remover, Patek & Co.
SQUARE-HEAT, steel boiler, coal, oil, gas stoker, Kewanee Boiler Corp.
SQUIRES, reducing and registering valves, C. E. Squires Co.
SS COMPOUND, washing compounds, Lewis National Corp.
STABILON, textile dyeing assistants, American Aniline Products, Inc.
STACK-EM, hanger rack, Time Savers, Inc.
STACKRITE, flatwork stacker, American Laundry Machinery Co.
STA-DAMP, plastic basket liners, Zuckerberg Co.
STADLUBE, starch lubricant, Stadham Co., Inc.
STAD-SPUN, spun treated nylon cloth, Stadham Co., Inc.
STAD-TAPE, flatwork ironer tape, Stadham Co., Inc.
STAD-TEX, treated nylon cloth, Stadham Co., Inc.
STADWAX, ironer oil, powdered wax, paste, Stadham Co., Inc.
STAG BRAND, press covers, aprons, bags, feed ribbons, Pittsburgh Waterproof Co.
STAGG, spotting aids, G & G Chemical Co.
STAIN-A-WAY, oxidized-stain remover, Warco Laboratories
STAINEX, laundry sour, Keever Starch Co.
STAIN-O-GO, spot remover, Dello Products Co.
STAIZ, collar supports, Time Savers, Inc.
STANCO-A, blues, sours, Keever Starch Co.
STANDARD, asbestos press covering, F. H. Bonn Co.
STANDARD, laundry, drycleaning machinery, Standard Laundry & Cleaning Machinery Co.
STANDARD, pin carrier, Keyes-Davis Co.
STANDARD, press pads, Resillo Co.
STANDARD, shirt sorting bin on casters, Time Savers, Inc.
STANDARD, shirt unit, Prosperity Co., Inc.
STANDARD, valves, W. M. Chace Co.
STANDARD FLAKE SOAP, NO. 1, soap, Standard Soap Co. of Camden
STANDARD KING, net pins, Keyes-Davis Co.
STANDATROL, air-operated relay, Bailey Meter Co.
STANDCO, speed indicators, techometers, Herman H. Sticht Co., Inc.
STAND-EZE, floor mat, Colonial Rubber Co.
STA-NEAT, garment hanger cover, Sta-Neat Corp.
STAN-O-MATIC, petroleum and synthetic drycleaning units; petroleum washer-extractor combination, Standard Laundry & Cleaning Machinery Co.
STANORUST, rust preventative, Standard Oil Co.
STANOX, hot-water built soap, John T. Stanley Co., Inc.
STANSO, cleaning chemicals, detergents, Standard Soap Co., Div. Concord Chemical Co., Inc.
STANSO TEX OIL, sulphonated oils, turkey red oil, Standard Soap Co., Div. Concord Chemical Co., Inc.
STANTEX, press and cover cloth, John T. Stanley Co., Inc.
STA-NU PROCESS, fabric-renewing compound introduced through steam line, Sta-Nu Corp.
STAPEX, starch, A. E. Staley Mfg. Co.
STAPL-TITE, marking tags, Liberty Marking Tag Co., Inc.
STARCHTEX, starch lubricant, Lewis National Corp.
STAR DOWN, diapers, George Wood, Sons & Co.
STA-RITE, collar supports, shoulder shields, trouser guards, tie holders, industrial aprons, Hodge, Farwell & Co.
STARR-BRITE, wetcleaning soap, Starr Soap & Chemical Co.
STAR SERVICE, wire hangers, Star Service Hanger Div., L. A. Young Spring & Wire Corp.
STARTEX, break compound, H. Kohnstamm & Co., Inc.
STATICOL, static control, drycleaning, R. R. Street & Co., Inc.
STATIKIL, static eliminator, Statikil Div., J. E. Doyle Co.
STA-VENT CLAMPS, accessory to steam-air finishers, Wichita Precision Tool Co., Inc.
STAY-FRESH, finishing process, Stay-Fresh Corp.
STAY-ON, identification system, National Marking Machine Co.
STAY-PUT, adhesive collar stays, Story Mfg. Co.
STAZUP, collar supports, Alfred J. Brooks
STEAM-AIRE, garment finishers, Pantex Mfg. Corp.
STEAMAIRE, unit heater, Young Radiator Co.
STEAMASTER, boilers, return systems, Steamaster Automatic Boiler Co.
STEAMBOILERPLANT, boilers, Eclipse Fuel Engineering Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

STEAM-FLEX, press connectors, Flexonics Corp.
STEAM FLOW, pads, Resillo Co.
STEAM FLOW, rubber press pad, Newhouse Co.
STEAMIN STEVE, portable electric steam generator, Electric Steam Boiler Sales, Div, Wolf Co.
STEAM-MIZER, storage water heater and condensate utilizer, Patterson-Kelley Co., Inc.
STEAM-PAK, packaged steam generators, York-Shipley, Inc.
STEAMTITE, flexible metal connector for laundry and pressing machines, American Brass Co., American Metal Hose Div.
STEDY-FLO, filter system for synthetic solvent machines, Detrex Corp.
STEELCOTE, paint varnishes, waterproofing, Steelcote Mfg. Co.
STEELCURB, laundry extractor, U. S. Hoffman Machinery Corp.
STEELE BIN, shirt carrier, J. W. Steele & Co.
STEELE GLIDER IRON, electric iron, J. W. Steele & Co.
STEELELOX, self-locking shirt band, J. W. Steele & Co.
STEEM, neutral lubricant for steam spotting, Caled Products Co., Inc.
STEEM-ATIC, vertical water tube boiler, Kisco Boiler & Engineering Co.
STEIN, add-a-section finishers' tables, Lawrence M. Stein Co.
STEIN, cuff tacker, Stein Specialty Co.
STEINER, paper towels, soap dispensers, toilet soap, Steiner Sales Co.
STELLAR, filter, Infilco, Inc.
STEMALLOY, patented silicon bronze alloy, Lunkenheimer Co.
STERI-CHLOR, deodorizer and germicide, Wyandotte Chemicals Corp.
STERICLEAN, moth repellent sour, Johnson Chemicals Industries, Inc.
STERLCO, pumps, traps, controls, regulators, Sterling, Inc.
STERLING, solvent conditioner, Sterling Air Conditioning Corp.
STERLING, corn starch, Keever Starch Co.
STERLING, pumps, boiler, Sterling Engineering & Mfg. Co.
STERLING, salt, salt tablets, dispensers, International Salt Co.
STEVEDORE, JR., conveyor, Rapids-Standard Co., Inc.
STEVENSON, automatic counting machine, Stevenson Co.
STEWART-WARNER, instruments, Stewart-Warner Corp., Alemite Corp.
STIK-TITE, belt cement, Milwaukee Leather Belting Co.
STILLSON-GENUINE, wrench, Walworth Co.
STILL-TEMP, still temperature control, Aquatrol, Inc. (Specialties Div.)
STOD-SOL, Stoddard solvent, Anderson-Prichard Oil Corp.
STONE, package boiler, built-in return system, Stone Boiler Equipment Corp.
STONEWALL, fans, Stonwall Sales Co.
STORAGEMASTER, vault-conditioning equipment, Walter Haertel Co.
STOR-U-VEYOR, automatic call-office conveyor, White Machine Co., Inc.
STOVER, water softeners, pressure filters, Stover Water Softener Co.
STOWE STOKERS, industrial stokers, Johnson & Jennings Co.
STRATE, special drycleaning detergent, Spix Products Co.
STREAMLINE, chest-type flatwork ironer, American Laundry Machinery Co.
STREAMLINED LABELORS, moistening machine Better Packages, Inc.
STREAMLINER, continuous towel cabinet, Steiner Sales Co.
STREEPENE, stripper, R. R. Street & Co., Inc.
STREET, automatic conductivity control unit, R. R. Street & Co., Inc.
STRESSITE, solid bronze machine parts, Amplex Div., Chrysler Corp.
STRETCH-ALL, garment stretchers, tie forms, sleeve finishing boards, sleeve forms, Jack Hodges Specialty Co.
STRIDE, paint, oil and grease remover, Lustrol Drycleaning Products, Div. Patek & Co.
STRIKE'S, hydraulic extractor, Strike's Laundry Machinery, Inc.
STRIPALENE-O stripper, Keystone Aniline & Chemical Co., Inc.
STRIP-D-LUX, stripping agent, Warco Laboratories
STRIPEX, strippers, Package Chemical Co., Inc.
STRIP INK, ink remover, Slater-Robbins Co., Inc.
STRIPMASTER, wire strippers, Ideal Industries, Inc.
STRIPP, powdered stripper and bleach, G & G Chemical Co.
STRIPPET, strippers, Package Chemical Co., Inc.
STRIPPIT, stain remover, stripper, Kliegman Bros., Inc.
STRIPPOLYTE, dye remover, Slater-Robbins Co. Inc.
STRIP-STICK, stripper, National Cleaners Chemical Mfg. Co.
STRIPTEX, powdered stripper, Hood Chemical Co., Inc., Crescent Div.
STROMBERG, time clocks, Stromberg Time Corp.
STRONG, steam specialties, Strong, Carlisle & Hammond Co.
STRONG-WAL, pliofilm and paper combination bags, Comet Envelope & Paper Co., Inc.
STURDI-BILT, metal laundry washer, Jensen Mfg. Co.
STYLOGRAMS, simulated paper handkerchief printed with sales message, Nashua Corp., Sure-Hold Div.
SUBMERSION, gas/oil boilers, gas/oil burners, gas/oil water heaters, David Stout & Sons
SUDS, paste drycleaning soap, Adco, Inc.
SUDSO, soap builder, Washine National Sands, Inc.
SUDSRITE, high-titer built soap, New South Mfg. Co., Inc.
SUDSYN, sudsy synthetic solvent, E. F. Drew & Co., Inc.
SUEDECARE, leather cleaning process, Suedecare, Inc.
SUEDE KING, leather and suede cleaning method, Suede King
SUIAP, accounts receivable system, Remington Rand, Inc.
SUITANDRESS, hangers, Cleaners Hanger Co.
SULFACO, wetcleaner, R. R. Street & Co., Inc.
SULFOSUDS, soapless soap, Merson Products Co.
SULFSTAD, synthetic detergent, Stadham Co., Inc.
SULPHOGEN, spotting compound, Riverside Mfg. Co.
SULPHOTEX, detergent, soaps, Keystone Aniline & Chemical Co., Inc.
SULVA, soapless wet cleaner, G & G Chemical Co.
SUN, paste filter soap, Adco, Inc.
SUNBEAM, automatic clothes-lifting basket liner, Cleaners Specialties Supplies Co.
SUNBEAM, blue, Speare Co.
SUN-PROOF, paint, Pittsburgh Plate Glass Co., Paint Div.
SUNSET, blueing and color remover, stripper, North American Dye Corp.
SUNSET COLORAMA, fabric powder dye, North American Dye Corp.
SUNSET DYTINT, dye for use in washing machines, North American Dye Corp.
SUNSET DYWHITE, bluing with whitener for use in washing machines, North American Dye Corp.
SUPER, laundry machinery, Super Laundry Machinery Co., Div. St. Joe Machines, Inc.
SUPER, shirt sorting bin on casters, Time Savers, Inc.
SUPER ALKALI 60, alkali compound, Solvay Process Div., Allied Chemical & Dye Corp.
SUPER AVACON, charge drycleaning soap, Allen & Vickers, Inc.
SUPERBELT, leather belting, Philadelphia Belting Co.
SUPERBILD, soap builder, Solvay Process Div., Allied Chemical & Dye Corp.
SUPER C, non-ionic soap for dry charge systems, Caled Products Co., Inc.
SUPER CHIEF, truck tires, tire repair material, Mohawk Rubber Co.
SUPERCHLOR, bleach, Patterson Laboratories, Inc.
SUPER-CLEAR, rust-removing sour, Johnson Chemical Industries, Inc.
SUPER DETERGENT, detergent-type drycleaning soap, National Cleaners Chemical Mfg. Co.
SUPER DRY-O-MATIC, signal and alarm control for tumblers, Rosenthal Mfg. Co.
SUPER-ELCONITE, high-capacity greensand zeolite, Elgin Softener Corp.
SUPERFINE, laundry starch, Washine National Sands, Inc.
SUPER FURNAS-CRETE, castable refractory, Mexico Refractories Co.
SUPERGUAGE, gauges, U. S. Gauge Div., American Machine & Metals, Inc.
SUPER HIDING, interior white, U. S. Gutta Percha Paint Co.
SUPER-HILO, powder, built soda soap, Armour & Co., Industrial Soap Dept.
SUPER HILOSET, temperature bonding mortar, Mexico Refractories Co.
SUPER ILLUMINATORS, incandescent lighting equipment, Edwin F. Guth Co.
SUPER-JET, built soap, and nonionic synthetic, Armour & Co., Industrial Soap Dept.
SUPERIOR, crush-proof sorting hooks, lint traps, V & W Equipment Co.
SUPERIOR, laundry nets, Fablok Mills, Inc.
SUPERIOR, marking machines, Textile Machinery Co., Inc.
SUPERIOR, regulator, thermostat, trycock, water gauge valve, steam valve, Superior Controls Co., Inc.
SUPERIOR, rug cleaning machinery and accessories, Superior Rug Machinery Co.
SUPERIOR, steam generators, Superior Combustion Industries, Inc.
SUPERKLEEN, laundry alkali, Washine National Sands, Inc.
SUPER-MATIC, boilers, Eclipse Fuel Engineering Co.
SUPERMATIC, doors, overhead and electric, National Pneumatic Co., Inc.
SUPER-MERCURY, extractors, Troy Laundry Machinery Div., American Machine & Metals, Inc.
SUPER-MIRZA, automatic rug cleaning machine, American Laundry Machinery Co.
SUPER MONO-FIBRIK, plastic firebrick, Mexico Refractories Co.
SUPER MULTIFLEX, calcium carbonate, Diamond Alkali Co.
SUPER OILITE, ferrous-base lubricating bearings, Amplex Div., Chrysler Corp.
SUPER ORTH, anhydrous orthosilicate, Washine National Sands, Inc.
SUPERPACKING, leather packings, Philadelphia Belting Co.
SUPER-PLASTIC, refractory materials, A. P. Green Fire Brick Co.
SUPER PURGO, soap builder, Minnesota Chemical Co.
SUPER SHEEN, alkali cleanser, Solvay Process Div., Allied Chemical & Dye Corp.
SUPERSILICATE, detergent, Diamond Alkali Co.
SUPER SILVERTOP, steam traps, strainers, traps, V. D. Anderson Co.
SUPER-SOL, prespotter, National Cleaners Chemical Mfg. Co.
SUPER-SOLTEX, drycleaning detergent, Riverside Mfg. Co.
SUPERSOUR, highly soluble laundry sour, Speed-Ite Chemicals Co., Div. Patek & Co.
SUPER-SPEED, drycleaning tumbler, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
SUPER SPOTTER, all-purpose spotter, Lustrol Drycleaning Products, Div. Patek & Co.
SUPER STEEL, pins, safety pins, William Prym, Inc.
SUPER SYLON, flatwork ironer, American Laundry Machinery Co.
SUPER-TEX, detergent, Nu-Pro Mfg. Co.
SUPER-VAC, rug vacuuming machine, American Laundry Machinery Co.
SUPER-WEAR, press covers, Gustin Kramer Co.
SUPER X, break powder, Speare Co.
SUPER-ZARMO, air-driven laundry presses, American Laundry Machinery Co.
SUPER-ZARMOETTE, air-driven laundry presses, American Laundry Machinery Co.
SUPER-ZORIC, drycleaning unit, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
SUPREME, laundry starch, Clinton Foods, Inc.
SUPREME, water softeners and filters, Bruner Corp.
SUPREME, neoprene belting, Victor Balata & Textile Belting Co.
SURE-FLO, ironer wax, Johnson Chemical Industries, Inc.
SURE-GRIP, V-groove sheaves, flat belt pulleys, rubber V-belts, T. B. Wood's Sons Co.
SURE-HOLD, paper specialties, wrappers, Nashua Corp., Sure-Hold Div.
SURELOC, aluminum collar and cuff fasteners, Sureloc Paper Clip Co.
SURE-RETURN, condensation pumps, Chicago Pump Co.
SURE-RINSE, rinsing aid, Johnson Chemical Industries, Inc.
SURFCO SHIELD, silicone type colorless water repellent, Surface Protection Corp.
SURFEX, calcium carbonate, Diamond Alkali Co.
SURFEX MM, calcium carbonate, Diamond Alkali Co.
SUSPENSO, calcium carbonate, Diamond Alkali Co.
SUSSMAN, steam iron, Automatic Steam Products Corp.
SUZIE-Q, garment finisher and fabric conditioner, Excelsoir Machinery Co.
SWAGELOK, reducer fitting for tubing, Crawford Fitting Co.
SWAN, valves, Klipfel Mfg. Co.
SWANEE, cover duck, Minnesota Chemical Co.
SWANSDOWN, calcium carbonate, Diamond Alkali Co.
SWEETHEART, franchised home linen rental service, advertising materials, Linen Suppliers Advertising Corp.
SWIFT, soaps, Swift & Co., Industrial Soap Dept.
SWIFT'S COLDWATER SOAP, built cold water soap, Swift & Co., Industrial Soap Dept.
SWIVELOADER, box or car loaders, Stephens-Adamson Mfg. Co.
SWIV-O-HOOK, hangers, Garment Hanger Co.
SYLON, chest-type flatwork ironer, American Laundry Machinery Co.
SYLVANIA, cellophane, Sylvania Div., American Viscose Corp.
SYNASOL, solvent, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
SYNCHRO-METER, electric telemeter, Bailey Meter Co.
SYNCHRO-VALVE, diaphragm control valve, Bristol Co.
SYNDEET, insecticide, U. S. Rubber Co.
SYNDET, synthetic detergent, West Side Corp.
SYNFLEX, outside and interior enamel, Midland Paint & Varnish Co.
SYN-KLEEN, synthetic detergent, G. S. Robins & Co.
SYNSO, synthetic drycleaning soap, Nu-Pro Mfg. Co.
SYNSUDS, soap, H. Kohnstamm & Co., Inc.
SYN-SUDS, synthetic detergent, G. S. Robins & Co.
SYNSUDS, synthetic soap powder, Trico Chemical Div., Tri-State Equipment Co.
SYNTHE-CLEAN, rug shampoo, Multi-Clean Products, Inc.
SYNTHEEL, liquid filter soap, National Cleaners Chemical Mfg. Co.
SYNTHESOL-100, drycleaning soap for synthetic solvent, Patek & Co.
SYNTHITE, zeolite, Hungerford & Terry, Inc.
SYNTHO, soap for chlorinated solvents, National Cleaners Chemical Mfg. Co.
SYNTH-O-SAVER, solvent recovery unit, Detrex Chemical Industries, Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

SYNTHO SUDS, synthetic soap chips, West Side Corp.
SYNTOMAT, combination washer extractor-synthetic solvent, Washex Machinery Corp.
SY PENETRANT, drycleaning detergent, Merson Products Co.

T

TDL, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
T & L COMPOUND, stain-removing laundry break, Speedlite Chemicals Co., Div. Patek & Co.
T.S.R. SET, composite 3 bottle set for removal of tannin. Warco Laboratories
TABASCO, water heaters, Kewanee Boiler Corp.
TACO, heaters, condensers, hot-water systems, Taco Heaters, Inc.
TAD, insecticides, deodorants, Tad Chemical Co., Div. Acme Industrial Compounds Corp.
TAD, tags, Boston Clip & Tag Co.
TAG-A-DAY, laundry marking tags and pins, Boston Clip & Tag Co.
TAGGER, sewing machine for tagging, Chandler Machine Co.
TAG-O-LETRIC, marking machines, identification systems, Textile Marking Machine Co., Inc.
TAG-O-MATIC, tag marking and marking machine, Textile Marking Machine Co., Inc.
TAGVOICES, combination invoices and tags, Stry-Lenkoff Co.
TAHARA, silver burnishing machine, American Laundry Machinery Co.
TAHOE, laundry blue, Patek & Co.
TAILOR-MADE, pre-fabricated speed rails, Speed Check Co.
TAKALAB TLM, concentrated enzymic digestant, Takamine Laboratory, Div. Miles Laboratories, Inc.
TA-KARA-HUKS, drycleaning specialty for cleaning drapes, with hooks, attached, Take-Care Mfg. Laboratory, Inc.
TAKIMERSE, desizing agent, Takamine Laboratory, Div. Miles Laboratories, Inc.
TALLY, hand counter, Denominator Co., Inc.
TAN-AN-INK, ink remover, Package Chemical Co., Inc.
TANSOL, tannin strain remover, Greenville Chemical Co.
TAN-X, semi-wet stain remover, National Cleaners Chemical Mfg. Co.
TAQUET, tachometer, Herman H. Sticht Co., Inc.
TARBONIS, protective skin cream, Tarbonis Co.
TAR-GO, dry or wet spotter, A. L. Wilson Chemical Co.
TASCO, alkali (soap builder), Lewis National Corp.
TASCO TINT, blue, Lewis National Corp.
TAUBMAN, marking pen for laundries and drycleaners, Samuel Taubman & Co.
TAYLOR, stokers, American Engineering Co.
TECHNICLEAN, drycleaning soap, Fry Bros. Co.
TEJAX, valve indicator, indicating handwheels, Tejax Engineering Corp.
TEKO, liquid detergent, Wyandotte Chemical Corp., J. B. Ford Div.
TELE-VUE, cellophane shirt and garment bags, Tele-Vue Packaging Products, Inc.
TELL BOARD, bulletin board, Mine Safety Appliances Co.
TELLEVEL, bin level control switches, Stephens-Adamson Mfg. Co.
TEL-U-VISION, transparent garment bags, Mehl Mfg. Co.
TEMCON, flatwork ironer, American Laundry Machinery Co.
TEN-MINIT, bleach, Warco Laboratories
10 & 20, shirt bins, Time Savers, Inc.
TEN STRIKE, match book, Universal Match Corp.
TERGESSOL, paint and grease remover, Slater-Robins Co., Inc.
TERGIT, spotting compound, Riverside Mfg. Co.
TERGITOL, wetting agent, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
TERJ, strong soap, Huntington Laboratories, Inc.
TER-TEX, drycleaning concentrate, Spix Products Co.
TETRA-NOVAL, wetcleaning soap, Keystone Aniline & Chemical Co., Inc.
TETRAPOL, spot washing, tar removal, General Dyestuff Corp.
TETRA-SAN, liquid detergent, Huntington Laboratories, Inc.
TEX-ALL, rug cleaner, Certified Chemical & Equipment Co.
TEXAS STOD-SOL, drycleaning naphtha, Anderson-Prichard Oil Corp.
TEX-IT, upholstery cleaner, Certified Chemical & Equipment Co.
TEXTITE, industrial detergent, H. Kohnstamm & Co., Inc.
TEXIZE, sizing preparation, Package Chemical Co., Inc.
TEXO, laundry soap, E. F. Drew & Co., Inc.
TEXSCOUR, low-titer neutral red-oil soap flakes, Armour & Co.
TEXSOL, drycleaning detergent, Riverside Mfg. Co.
TEXTAG, drycleaners identification system, Speed Check Co., Inc.
TEXTO, glazed thread, Fleischer Mills, Inc.
TEXTURE-SAN, fabric conditioner, Huntington Laboratories, Inc.
TEXZYME, protein-removing desizing agent, Pabst Sales Co.
THANITE, insecticide concentrate, Hercules Powder Co.
THERMALITE, 1000° F.F. high heat aluminum paint, Tropical Paint & Oil Co.
THERMOCON, solvent temperature control, Mar-Mak Machinery Mfg. Co.
THERMODYNAMIC, steam trap, Sarco Co., Inc.
THERMO-HUMIDIGRAPH, combination temperature and humidity recorder, Bristol Co.
THERMOPATCH, heat sealing mending materials, Thermopatch Corp.
THERMO-SEAL, identification machine, Textile Marking Machine Co., Inc.
THERMO-SET, thermo-setting ink setter, National Marking Machine Co.
THERMOTEX, cover cloth, H. Kohnstamm & Co., Inc.
THERMOTEX, "S" heat-resistant cover cloth, H. Kohnstamm & Co., Inc.
THERMOTROL, radiator control, Sterling, Inc.
THERMO-VENTO, drying tumbler, American Laundry Machinery Co.
T-32, guntacker, Arrow Fastener Co.
THOMAS, aluminum display holders, Mulholland-Harper Co.
THOR, intermediate quality, stiff mud firebrick, Mexico Refractories Co.
THORAL, rug shampoo, Turco Products, Inc.
THREAD-TITE, anti-seize compound (stick form), pipe thread lubricant, Armite Laboratories
3B, automatic synthetic drycleaning unit, Prosperity Co., Inc.
3-B DYNAMITE, soap, Rome Soap Mfg. Co.
3-DIMENSIONAL, press covers, F. H. Bonn Co.
3-STAR, leather and waterproof leather belting, Charlotte Leather Belting Co.
33, bentonite product, Wyandotte Chemicals Corp., J. B. Ford Div.
3025C, cover cloths, Whitehouse Nylon Products
300, extractors, Western Laundry Machinery Co.
328, ironer oil, John P. Lynch Co.
THRIFTEX, drycleaning soap, detergent and emulsifier, Pennsylvania Salt Mfg. Co.
THRIFTIES, collar supports, M. H. Gronauer Co.
THUR-O, rug cleaning compound, Diamond Chemical Co.
THUR-O-COLOR, cold water rug dyes, Diamond Chemical Co.
THY-MO-TROL, electronic motor control, General Electric Co.
TI-BAG, cover for Ti-Rak, Para-Lux Products Co.
TIBRODE, cotton flannel padding and nets, Tingue, Brown & Co.
TICKETAG, drycleaning identification system, "TT" TicketTag Corp.
TICOSTEAM, packaged steam generator, Titusville Iron Works Co., Div. Struther Wells Corp.
TICOTHERM, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
TIE-PAK, tie racks and bags, Phoenix Products Co.
TIGER, grease cups, Lunkenheimer Co.
TIGER, paste-type detergent, Adco, Inc.
TILTOR, shirt unit and shirt presses, American Laundry Machinery Co.
TIME-O-MATIC, timers for extractors, Rosenthal Mfg. Co.
TIME SAVERS, garment racks, trouser guards, shirt envelopes, Time Savers, Inc.
TI-ME-TER, laundry equipment timer, Bildwell Mfrs.
TIMKEN, roller bearings, tubings, Timken Roller Bearing Co.
TINDECK, double-face padding, Tingue, Brown & Co.
TINGUNIT, nylon nets, Tingue, Brown & Co.
TINTEX, dye and dye remover, Park & Tilford
TI-RAK, necktie hanger, Para-Lux Products Co.
TITANIC, stripper, Spix Products Co.
TOKEN-TAGS, instruction tags, Pre-Marked Strip Tag Co.
TOLEDO, scales, Toledo Scale Co.
TONRAC, refrigerating machines, American Blower Corp., Div. American-Standard
TOPAZ, high-titer built soap chips, Armour & Co.
TOPMASTER, dual pants topper, Excelsior Enterprises, Inc.
TOPPER-MATIC, steam air trouser topper finishing machine, P. & H. Industries, Inc.
TOPS, drycleaning detergent, N.1-Pro Mfg. Co.
TOPS-ALL, prespotter, Warco Laboratories
TORK, time switches, Tork Clock Co., Inc.
TORNADO, blowers, industrial vacuum cleaners, floor machines, Breuer Electric Mfg. Co.
TORRIDOR, blower unit heater, Trane Co.
TOUCH, volatile dry spotter, G & G Chemical Co.
TRAN-CEL-SEAL, cellulose tape, Gummed Tape & Devices Co.
TRANSCOPY DUPLEX, contact printer, photographic, Remington Rand, Inc.
TRANS-O-MUCK, solvent sludge reclaimer, Vic Cleaning Machine Co.
TRANSVEYOR, horizontal belt conveyor, Mechanical Handling Systems, Inc.
TREAD-EASE, resilient sponge rubber runner matting, American Floor Products Co.
TREASURE, brass safety pins (unguarded coil), Oakville Co., Div. Scoville Mfg. Co.
TREET-O-UNIT, constant rate proportioning pump, Proportioneers, Inc.
TREMM, laundry bleach, Tremm Chemical Corp.
TRENDWELD, pipe and tubing, Trent Tube Co.
TRENTWELD, stainless and high alloy pipe and tubing, Crucible Steel Co. of America
TRI, fur cleaning fluid, Walter Haertel Co.
TRI-CLAD, motors, General Electric Co.
TRICLENE, drycleaning solvent, E. I. du Pont de Nemours & Co., Inc.
TRICO, electrical and lubricating devices, Trico Fuse Mfg. Co.
TRICO, wetcleaning sour, Trico Chemical Div., Tri-State Equipment Co.
TRIFIEX, drycleaning detergent, Pennsylvania Salt Mfg. Co.
TRIGON, volatile paint remover, Patek & Co.
TRIMERSE, enzymic digester, Trico Chemical Div., Tri-State Equipment Co.
TRIO, alkali compounds, bleach, boiler compound, Trio Chemical Works, Inc.
TRIPLE-A, paints, Quigley Co., Inc.
TRIPLEX, 140° F drycleaning units, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRIPLE-X DRI-SHEEN, detergent, Adco, Inc.
TRIPP, solvent cooler and heater, temperature control, Tripp Mfg. Co.
TRISOL, stain remover, Eaton Chemical & Dyestuff Co.
TRIUMPH, built non-ionic synthetic detergent, Armour & Co., Industrial Soap Dept.
TRIWAY, fur finishing machine, Walter Haertel Co.
TRI-X, fumigant, Walter Haertel Co.
TROPELITE, durable protective coating, Tropical Paint & Oil Co.
TROPICAL, cleaner for walls, floors, windows, Tropical Paint & Oil Co.
TROPICAL, nut shells for fur cleaning, Bernard Sirotta Co.
TROUSER-FORMER, pants shaper, Bill Glover, Inc.
TROUS-GARD, trouser guard, Para-Lux Products Co.
TROY, laundry machinery, Troy Laundry Machinery Div., American Machine & Metals Inc.
TROY-MERCURY, drycleaning unit, Troy Laundry Machinery Div., American Machine & Metals, Inc.
TROYSPECIAL, replacement collars, Zuckerberg Co.
TRUCLEAR, drycleaning solvent filter, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUCLEEN, petroleum solvent for drycleaning, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUCLOR, synthetic solvent for drycleaning, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRU COLOR, dyeing, Tru Color Dye Works, Inc.
TRUFLEX, light duty V-belts, Gates Rubber Co.
TRUFOLD, shirt folding machine, J. W. Steele & Co.
TRUFORM, steam-air garment finisher, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
TRUMATIC, flatwork folder, American Laundry Machinery Co.
TRUMP, spot remover, Spix Products Co.
TRU-SHEEN, CONCENTRATE, drycleaning detergent, Krasan Products, Inc.
TRU SOAP, true soap liquid. Benda Products, Inc.
TRUSTY, gasoline strainers, Lunkenheimer Co.
TRU-TONE, fabric conditioner, Adrian Research & Chemical Co.
TT TICKE TAG, 4-in-1 combination marking in, receipt, invoice, marking tag, "TT" TickeTag Corp.
T-25, soaps, silks and woolens, Swift & Co.
TUBE-O, trouser guard, Garment Hanger Co.
TUB-TYPE, trucks, Market Forge Co.
TUFF HIDE, padding, Pittsburgh Waterproof Co.
TUFFLEX, padding, Wood Conversion Co.
TUFF-TEX, metal press pads, X. S. Smith, Inc.
TUFFY, heavy duty synthetic detergent, Thompson Chemical Co.
TUFFY, knitted nylon laundry nets, Southern Mills, Inc.
TUMBLTROL, tumbler and reclaimer temperature control, Minneapolis-Honeywell Regulator Co.
TUMBOLITE, lighting fixture for open-end tumblers, National Marking Machine Co.
TURBO GUN, spotting gun, Elliot Rabe Mfg. Co.
TURBO-VAC, single press vacuum system, Pantex Mfg. Co.
TURCO, insecticides, germicides, Turco Products, Inc.
TUWAY, strainers, Wright-Austin Co.
20th CENTURY, needle bearing, Roller Bearing Co. of America
20-L, laundry starch, Clinton Foods, Inc.
TWENTY-TWENTY, front-loading washer, American Laundry Machinery Co.
TWIN CONTACT CONTROLS, controls, regulators, gauges, Perfex Corp.
TWINMATIC, washer and extractor, Imperial Laundry Machinery Co.
TWINPLEX, fur cleaning drum and cage, Walter Haertel Co.
TWIN-PRESS, drycleaning press, Reliable Steam Pressing Machine Service, Inc.
TWIN-RAPID, automatic shirt press, general purpose press, Reliable Steam Pressing Machine Service, Inc.
TWINTAINER, extractor, Fletcher Works, Inc.
TWIN-TEX, metal press pads, X. S. Smith, Inc.
TWIST-EMS, hanger combiners, Germain's Inc. Twist-Ems Div.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

TWISTEMS, hanger combiners, H. F. Hanscom & Co.
TWITCHELL, emulsifying bases, Emery Industries, Inc.
249, dye stripper, Patek & Co.
2GAV, compressor plant, Westinghouse Air Brake Co., Industrial Products Div.
209, stain remover, R. R. Street & Co., Inc.
2-IN-ONE, airfoam rubber pad and asbestall cover, Quality Products Co.
"2-IN-1", nylon cloth, Zuckerberg Co.
TY-BORDS, forms for pressing neckties, Joe L. Winner
TYCO, stick machine cleaner for hot irons, presses, Tyson Sales Co., Inc.
TYPE W, basic washer timing control, American Laundry Machinery Co.
TY-HOLDERS, tie and belt holders, Time Savers, Inc.
TYMIT, timers, Tork Clock Co., Inc.
TY-ON, nylon or cotton press covers, F. H. Bonn Co.
TY-PAX, tie and belt holders, Time Savers, Inc.
TYSON, dry size, Dello Products Co.

U

U.S., stoneware, U. S. Stoneware Co.
UCON, lubricants (synthetic oil and grease), Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
UCON, tumblers, drycleaning units, U. S. Hoffman Machinery Corp.
U-DOR-A, perspiration remover, Nu-Pro Mfg. Co.
ULTRA-LITE, sour, Keever Starch Co.
ULTRAMATIC, automatic zeolite water softener, Elgin Softener Corp.
ULTRAMATIC, fully automatic air-operated drycleaning press, New York Pressing Machinery Corp.
ULTRA-SOL, soap builder, Thompson-Hayward Chemical Co.
ULTRA-SPEED, drying tumbler, American Laundry Machinery Co.
ULTRA-WITE, fluorescent compound, whitener, H. Kohnstamm & Co., Inc.
UNAFLOW, steam engines, Ames Iron Works
UNDERWOOD ELLIOTT FISHER, accounting machines, Underwood Corp.
UNDERWOOD SAMAS, punched card accounting machines, Underwood Corp.
UNDERWOOD SUNDSTRAND, adding and accounting machines, Underwood Corp.
UNIFLO, drycleaning washer, Western Laundry Machinery Co.
UNIFLOW, water softeners and conditioners, mechanical filters, water supply pumps, Uniflow Mfg. Co.
UNIFOAM C, rug and upholstery cleaning detergents, Fumol Corp.
UNILITE, zeolite water softener, Uniflow Mfg. Co.
UNI-MAC, laundry washer, Uni-Mac Co.
UNI-MAC TWIN, washer-extractor rinse unit, Uni-Mac Co.
UNIPRESS, air-driven laundry presses, sleevers, sport shirt units, Unipress Co.
UNISOL, emulsifiers, oils and soaps, Universal Solvent Co.
UNITED, laundry cart, U. S. Steel & Wire Co.
UNITED, washable uniforms, United Cotton Goods Co., Inc.
UNITHERM, unit heaters, Clarage Fan Co.
UNIT KLEEN, drycleaning washer-extractor, G. A. Braun, Inc.
UNITRAP, bucket type steam trap, Perfecting Service Co.
UNIT WASH, laundry washer-extractor, G. A. Braun, Inc.
UNIVALVE, valves, Edward Valves, Inc., Subsidiary Rockwell Mfg. Co.
UNIVERSAL, printed book matches, Universal Match Corp., St. Louis 3, Mo.
UNIVERSAL SPEED-FEED, sales control system, Egry Register Co.
UNIVERSAL STRIPPER, stain remover and stripper, H. Kohnstamm & Co., Inc.
UNLOADING CASCADE, laundry washer, American Laundry Machinery Co.
UNOX, penetrant for fire-fighting, Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp.
URBAN, truck bodies, Montpelier Mfg. Co.
U-SAN-O, drycleaning, mothproofing with chlorophyll, American Mothproofing Co.
U. S. KOGLON, press pads, sponge, Newhouse Specialty Co., Inc.
U. S. MODEL 518-2, sewing machine for drycleaners, U. S. Blind Stitch Machine Corp.
USS STAINLESS, stainless steel, U. S. Steel Co.
USTEX, wire and cable, U. S. Rubber Co.
UTILITY, specially built truck bodies, Utility Truck Distributors, Inc.
UTILITY, blue, H. Kohnstamm & Co., Inc.

V

V-C, feed ribbons, textiles, Virginia-Carolina Laundry Supply Co.
V.D., spotter, Adco, Inc.
V & W, assorting reels, V & W Equipment Co.
VALETERIA, drycleaning and laundry vendor, U. S. Hoffman Machinery Corp.
VAN DYKE SILICA, silica brick, Mexico Refractories Co.
VANEETE, truck bodies for use on Ford chassis, Universal Sales, Inc.
VANITE, liquid detergent, Adco, Inc.
VA-PER, solvent and plant air cooling, Per Corp.
VAPOR-CLARKSON, package type steam generators and hot water heaters, Vapor Heating Corp.
VARA, combination solvent cooler and heater, garment holders and baggers, sweetener powder dispenser, belt holder, shirt boxer, A. G. Vara & Son, Inc.
VARIDEX, alphabetic filing system, Remington Rand, Inc.
VARIATOR, steam traps, American District Steam Co., Inc.
VAULTMASTER, fur cleaning and storage equipment, Walter Haertel Co.
VEEDER-ROOT, computing and counting devices, Veeder-Root, Inc.
VEE-LOK, clutch facings, Raybestos-Manhattan Inc.
VEE-THREE, paste drycleaning soap, Riverside Mfg. Co.
VEGETABLE IVORY, buttons, Eureka Button Co.
VELAN UNIVERSAL, steam trap, Velan Engineering Co.
VELCO, marking ink and sets, Ink-O Products Co.
VELOCITY DRAINER, steam trap (float), W. M. Acker Organization, Inc.
VELOCITY STEAM, steam system, Velocity Steam Production Engineering Co.
VEL-ODOR, concentrated liquid odor neutralizer, Caled Products Co., Inc.
VELVA-SOFT, fabric softener, Armour & Co., Industrial Soap Dept.
VELVET RAINBOW, combination starch, Huron Milling Co.
VELVET SHEEN, rubber base wall paint, Tropical Paint & Oil Co.
VELVET WHEAT, wheat starch, Huron Milling Co.
VELVO, wetcleaning soap, Davies-Young Soap Co.
VENTURA, propeller fans, American Blower Corp., Div. American-Standard
VENTURA FIN, unit heaters, American Blower Corp., Div. American-Standard
VERSABAR, structural system for racks and pipe supports, M-H Standard Co.
VERSI, laundry and wetcleaning textile finishing compound, John T. Stanley Co., Inc.
VERTEX, low-titer soap flakes, laundry, wetcleaning, rug and carpet, Swift & Co.
VIBRA MOVER, fur cleaning table-vented, Walter Haertel Co.
VIBRA-SORBER, pipeline vibration absorber, Flexonics Corp.
VIC, drycleaning machinery, Vic Cleaning Machine Co.
VICTOR, straight pins, Risdon Mfg. Co.
VICTOR, wheat starch, Keever Starch Co.
VICTOR 475, woven neoprene belting, Victor Balata & Textile Belting Co.
VICTOR ROH, hycar belting, Victor Balata & Textile Belting Co.
24K, press padding, Jomac, Inc.
VICTORY, blue, Minnesota Chemical Co.
VICTORY, drycleaning soaps, Patek & Co.
VICTORY, fur cleaning fluid, Bernard Sirotta Co.
VICTORY, laundry marking tags, Tagit Co.
VIGIL, TYPE D, diaper antiseptic and deodorant, Patek & Co., Inc.
VIGIL, TYPE L, mildew preventative, Patek & Co.
VIKE, pipe joint compound, Keystone Lubricating Co.
VIKING, intermediate quality, dry press firebrick, Mexico Refractories Co.
VIKING RE-NU-IT, drycleaners pumps, Viking Pump Co.
VIKING, suds, Los Angeles Soap Co.
VIM, steam engines, Ames Iron Works
VIRGINIA GREENSTONE, non-skid floor surfacing material, soaking and rinsing tubs, wetcleaning tables, Virginia Greenstone Co., Inc.
VISCOR, filter, Weston Electrical Instrument Corp.
VITEX, drycleaning soaps, Patek & Co.
VIVIDOL CHG, drycleaning detergent, Stamford Chemical Co.
VIVIDOL CI, synthetic drycleaning detergent, Stamford Chemical Co.
VIVIDOL 11, petroleum drycleaning detergent, Stamford Chemical Co.
VIVIPRESS, finishing compound, steam treating chemical, Stamford Chemical Co.
VIVITEX, water repellent, Stamford Chemical Co.
"V" MASTER, shirt and apparel presses, Forse Corp.
VOKES, air cleaners, filters, separators, strainers, Drico Industrial Corp.
VOL, spotting agent, Stamford Chemical Co.
VOLTEX, spotting agent, Spix Products Co.
VOL-U-METER, flow-responsive proportioning pump, Proportioneers, Inc.
VORCLAY, bentonite clay, American Colloid Co.
VORCLONE, extractors, tumbler, U. S. Hoffman Machinery Corp.
V-S DRIVE, all-electric adjustable speed drive for a.c. circuits, Reliance Electric & Engineering Co.
VULCAN, cover cloth, Pittsburgh Waterproof Co.
VULCAN, stokers, Canton Stoker Corp.
VULCO, V-pullyes, Gates Rubber Co.
VULCOMOUNT, sheaves, Gates Rubber Co.

W

W.C., water carrier, Benda Products, Inc.
W.D.P., wet or dry prespotter, Warco Laboratories
W.L., drycleaning detergents, Caled Products Co., Inc.
W. P. R., wet and dry paint remover, National Cleaners Chemical Mfg. Co.
WACO, diaphragm fluid pump, Perry Company
WALCO, pipe wrench, Walworth Co.
WALDORF, paper hangers, Waldorf Co.
WALLHIDE, paint, Pittsburgh Plate Glass Co., Paint Div.
WALSEAL, threadless bronze fitting, Walworth Co.
WALWORTH, valves and pipe fittings, Walworth Co.
WARRIOR, tire rebuilding and repair material, Mohawk Rubber Co.
WASH-A-WAY, washer, Cook Machinery Co., Inc.
WASHETTE, laundry washer, Cook Machinery Co., Inc.
WASHEX, combination drycleaning washer-extractor, Washex Machinery Corp.
WASHEX TUBE FILTERS, solvent filter, Washex Machinery Corp.
WASHINE, bleach (sodium hypochlorite), Washine National Sands, Inc.
WASHINITE, detergent, Washine National Sands, Inc.
WASHMASTER, 25 and 50¢ automatic washer, Forse Corp.
WASHMOR, nylon laundry nets, Tingue, Brown & Co.
WASHOMETER, washing machine recorder, Huebsch Mfg. Co., Div. American Laundry Machinery Co.
WASHTENDER, washer controls, Troy Laundry Machinery Div., American Machine & Metals, Inc.
WASHTEX, overall compound, Thompson-Hayward Chemical Co.
WATCH-DOG, water meters, Worthington Pump & Machinery Corp.
WATCOCELL, asbestos pipe covering, blocks, Ruberoid Co.
WATER KING, small water supply pump, Peerless Pump Div., Food Machinery & Chemical Corp.
WATERPROOFON PRK, water repellent, Apex Chemical Co., Inc.
WATERSPAR, polishing wax, Pittsburgh Plate Glass Co., Paint Div.
WATERWAY, laundry combination washer-extractor, Pantex Mfg. Co.
WATTS, valves and pneumatic products, Watts Regulator Co.
WAYNE, air compressors, pneumatic and hydraulic hoists, hose reels, Wayne Pump Co.
WEARTEX, solid woven belting, Victor Balata & Textile Belting Co.
WEATHER-MAKERS, air conditioning, Carrier Corp.
WEATHER-MASTERS, air conditioning, Carrier Corp.
WEATHER-PRUF, water repellent, Lustrol Drycleaning Products, Div. Patek & Co.
WEB FOOT, water repellent, Ellenbogen & Shannon, Inc.
WEE-SCOT, high-pressure boiler, Titusville Iron Works Co., Div. Struther Wells Corp.
WEIGHT-O-GRAPH 77, automatic scale attachment for beam scales, Howe Scale Co.
WELDMASTER, platform, Lewis-Shepard Products, Inc.
WELPCO, steam valves, discs, Western Laundry Press Co.
WERKRITE, neutral tallow flakes, powder, Allen B. Wrisley Co.
WERK'S COLDWATER, built red-oil soap, Allen B. Wrisley Co.
WESCLENE, liquid break, West Side Corp.
WESCO, dry spotter, prespotter, West Side Corp.
WESOFORM, volatile dry spotter, West Side Corp.
WEST COAST, extractors, washers, curtain stretchers, West Coast Laundry Machinery Co.
WESTERN, laundry and drycleaning tumblers, washers and extractors, Western Laundry Machinery Co.
WESTERN, deep well turbine pumps, deep well turbine pressure systems, Western Pump Co., Ltd.
WESTERN EAGLE, laundry and drycleaning combination washer-extractors, Western Laundry Machinery Co.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

WESTINGHOUSE, air compressors, Le Roi Co., Subsidiary Westinghouse Air Brake Co.
WESTINGHOUSE, lamps, Westinghouse Electric Corp.
WESTINGHOUSE, laundromat, washers, Ald, Inc.
WESTON, electrical indicating instruments, Weston Electric Instrument Corp.
WESTPORT, dryer, Hoyt Mfg. Corp.
WEST TEXAS, boilers, water heaters and softeners and return tanks, West Texas Marine Boiler Works, Inc.
WESTVACO, chlorinated solvent (synthetic), Westvaco Chemical Div., Food Machinery & Chemical Corp.
WET-AGE, wet spotter, G & G Chemical Corp.
WETAWAY, water repellent, Carman & Co., Inc.
WET-O-DRY, paint remover, Merson Products Co.
WETSOL, general spotter, Eaton Chemical & Dyestuff Co.
WETSOL, wet spotter, Nu-Pro Mfg. Co.
WETSOLV, penetrant, Package Chemical Co., Inc.
WETSPO, wet lube base paint remover, Riverside Mfg. Co.
WETSPOT, wet spotter, Adco, Inc.
WETSYN, synthetic detergent, E. F. Drew & Co., Inc.
WETTSPOTTER, paint, oil and grease remover, Riverside Mfg. Co.
WETT STOCK CONCENTRATE, moisture dispersant, Lustrol Drycleaning Products, Div. Patek & Co.
WHALEBONE, leather and waterproof leather belting, Charlotte Leather Belting Co.
WHEATEX, combination starch, Huron Milling Co.
WHEAT-N-CORN, combination starch and size, Keever Starch Co.
WHEEL, starch, A. E. Staley Mfg. Co.
WHEEL-EZY, hand truck, Rapids-Standard Co., Inc.
WHEELVEYOR, wheel conveyor, Mechanical Handling Systems Inc.
WHIRL-SORT, sorting reel, Franklin Mfg. Co.
WHIRLWIND, extractor, Fletcher Works, Inc.
WHITE CAP, drycleaning soap, Midland Color & Chemical Co.
WHITE CAP, laundry blue, Beach Soap Co.
WHITECO, nylon laundry net, Whitehouse Nylon Products
WHITEEN-100, medium-titer laundry soap, New South Mfg. Co., Inc.
WHITE HOUSE, wheat starch, Huron Milling Co.
WHITEINT, fluorescent dye addition to soaps, Carlton Chemical Co., Inc.
WHITE KING, toilet soap, coco almond soap, coco lemon soap, Los Angeles Soap Co.
WHITE LABEL, medium-titer neutral soap, Beach Soap Co.
WHITE RIBBON, tallow soap, laundry, wetcleaning and rug cleaning, Swift & Co., Industrial Soap Dept.
WHITEX, blueing, Park & Tilford
WHITLOCK, preheaters, Whitlock Mfg. Co.
WHITSON SYSTEM, boiler return systems, Healy-Ruff Co.
WICK, tapes and braids, Wick Narrow Fabrics Co.
WILL-BURT, coal stokers, oil burners, gas burners, Will-Burt Co.
WILLIAMS, laundry and drycleaning machinery, Williams Laundry Machinery Co., Inc.
WILLIAMS & DAVIS, boilers, condensation return systems, return units, boiler feed-water systems, Williams & Davis Boiler & Welding Co., Inc.
WILLS-MILCO, rug beater, A. O. Miller Co.
WIL-NOR, personalized premiums, shirt bands (premium), Wil-Nor Products
WINDMAKER, wall & roof exhaust type for ceiling mounted, floor and pedestal fans, Rich Fan Mfg. Co.
WINDO, cedarized storage bag, Lincoln Bag Co.
WING CLAMP, collar support, Para-Lux Products Co.
WING-GUARDS, hanger shields, Para-Lux Products Co.
WING-LOCK, collar support, Para-Lux Products Co.
WING-ROLL, collar support, Para-Lux Products Co.
WINK, dye stripper, Lustrol Drycleaning Products, Div. Patek & Co.
WINKLER, stokers, U. S. Machine Corp.
WIR "O" MATIC, extractor, Gross Machinery Co., Inc.
WIZARD, automatic washer control, Norman Control Co.
WIZARD, extractors, Hammond Laundry-Cleaning Machinery Co.
WIZARD, laundry net, Southern Mills, Inc.
W/O EMULSIFIER, wetcleaning stock solution, Adrian Research & Chemical Co.
WOLF, electric cloth cutters, fabric drills, rag cutters, Wolf Machine Co.
WONDERFOLD, sport shirt protectors, Sutherland Paper Co.
WONDER WEAVERS, reweaving damaged clothing, Wonder Weavers
WONDER WORKER, sewing machine, U. S. Blind Stitch Machine Corp.
WONDRESS, flatwork ironer pads, Southern Mills, Inc.
WOOL FLAKES, soaps, silks and woolens, Swift & Co., Industrial Soap Dept.
WOOLZ, a specific woolen soap, Caled Products Co., Inc.
WORKHORSE, rug scrubber, Certified Chemical & Equipment Co.
WORK SAVER, drycleaning truck, garment racks, Time Savers, Inc.
WORTHITE, pumps, Worthington Pump & Machinery Corp.
WOVERITE, cover cloth, padding, Lewis National Corp.
WRAP-O-MATIC, automatic paper cutting and wrapping Machine, Rosenthal Mfg. Co.
WRITE-GO, ink eradicator, A. L. Wilson Chemical Co.
WULPRESS, wool press cloth and surface cloth, nylon and wool press and surface cloth, Arms Textile Mfg. Co.
WYANDOTTE, detergents, sours, Wyandotte Chemicals Corp.
WY. RUSKO, water conditioners, Wyandotte Chemicals Corp., J. B. Ford Div.
WYTEN, soap builder, Turco Products, Inc.

X

X. L., built synthetic detergent, Armour & Co.
X-L CHARGE, drycleaning detergent, Dixo Co.
XANNO, indelible ink (no heat), Applegate Chemical Co.
X-PANDO, collar supports, Time Savers, Inc.
X-30, rag and overall detergent, George Stearns Chemical & Mfg. Co.
XTRA, nylon press cloth, X. S. Smith, Inc.
XXX, DRI-SHEEN, detergent for charged system, Adco, Inc.

Y

Y.R. SAFETY STRIPPER, all-purpose dye stripper, Lustrol Drycleaning Products, Div. Patek & Co.
Y.R.S., yellow stain and run color remover, Riverside Mfg. Co.
Y-S, air compressors, Le Roi Co., Compressor Div.
YA-DE, mothproof, Crossland Mfg. Co., Inc.
YANKEE, powdered and liquid starch, Gilcor Mfg. Co., Inc.
YARMOR, pine oil, Hercules Powder Co.
YARWAY FINE SCREEN, pipe line strainers, Yarnall-Waring Co.
YARWAY IMPULSE, steam trap, Yarnall-Waring Co.
YELLOW-GO, liquid dye-reducing agent, A. L. Wilson Chemical Co.
YELLOW HOOP, soap builder, Wyandotte Chemicals Corp., J. B. Ford Div.
YELLOW REMOVER, titanium type stripper, Patek & Co.
YELO-LIQUID COLD STRIPPER, stain remover and stripper, H. Kohnstamm & Co., Inc.
YORK-POWER, burners, generators, York-Shipley Inc.

Z

Z-P, silk drycleaning soap for chlorinated solvent systems, Caled Products Co., Inc.
Z-AIR, drycleaning press, Prosperity Co., Inc.
ZANZIBAR-CARBON, blues, curtain colors, indelible ink, indelible ink eradicator and thinner, B. Heller & Co.
ZARMITE, foot-power laundry presses, American Laundry Machinery Co.
ZARMO, foot-power laundry presses, American Laundry Machinery Co.
ZARMOETTE, air-driven laundry presses, American Laundry Machinery Co.
ZEETONE, paint remover, Riverside Mfg. Co.
ZELAN, durable water repellent, E. I. du Pont de Nemours & Co., Inc.
ZELCO, press and ironer pads, padding press covers, Nathan Zellermayer & Co.
ZEL-TEX, drycleaning soap, hat sizing, paint remover, spotting agents, Zel-Tex Co., Inc.
ZELTEX, press and ironer pads, padding, press covers, Nathan Zellermayer & Co.
ZENITH, electric timers, Zenith Electric Co.
ZENITH, extractors, filters, washers, Billingsly Machinery Co.
ZENITH STARCH AID, laundry finishing lubricant, Patek & Co.
ZEOLITE, boiler feed-water treatment, National Chemical Sales Co., Inc.
ZEOLITE ALGAE, control treatment, National Chemical Sales Co., Inc.
ZEOLITE AMINE, condensate treatment control of rust and pitting in return lines, National Chemical Sales Co., Inc.
ZEPHYR, extractor, ironer, washer, Hydraxtor Co., Div. Zephyr Laundry Machinery Co.
ZERO, combination water softener and iron removers, neutralizers, Zero Water Softener Mfg. Co.
ZEROSOFT, water softener, iron remover, filter, zeolite, Zero Water Softener Mfg. Co.
ZEST, synthetic wetcleaning soap, Adco, Inc.
ZETONE, cleaning, glazing fluid, ground wood flour (treated) cloth tumbling bag, Zimmerman Products
ZIG-ZAG, power conveyor, Richards-Wilcox Mfg. Co.
ZIG-ZAG, heat exchangers and reclaimers, David Stout & Sons
ZIP, go-back conveyor, Time Savers, Inc.
ZIP-LUXOR, plastic storage bag, side opening, Rassenfoss Bag Co., Inc.
ZIPOLA, lubricant, High Chemical Co.
ZIPON, leather finish, Keystone Aniline & Chemical Co., Inc.
ZIPPER-EASE, stainless lubricant, A. G. S. Co.
ZIPPO, wetcleaning detergent, Benda Products, Inc.
ZIP-R-FLEX, tool kit for repairing zippers, Mars Tool Co.
ZIP STIK, ink remover, Keystone Aniline & Chemical Co., Inc.
ZOL, synthetic drycleaning solvent, Stauffer Chemical Co.
ZOLVIT, paint, oil and grease remover, Riverside Mfg. Co.
ZONE-AIR, feather reconditioning unit, American Laundry Machinery Co.
ZONE-AIR, laundry or drycleaning drying tumblers, American Laundry Machinery Co.
ZONEX, chloroform substitute, Package Chemical Co., Inc.
ZORIC, garment cleaning system, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
Z-RAY, drycleaning detergent, Delan Co.
ZUCKERBERG, replacement collars and cuffs, laundry bags, nets, press covers, Zuckerberg Co.
ZUDS, sulphated compound for wetcleaning in salt or acid solutions, Caled Products Co., Inc.
ZURON, petroleum solvent drycleaning unit, American Cleaners Equipment Co., Div. American Laundry Machinery Co.
ZYMO, enzymic spot remover, Keystone Aniline & Chemical Co., Inc.

For manufacturers' addresses see MANUFACTURERS' list beginning page 270.

Manufacturers

equipment and supply producers listed alphabetically with their mailing addresses

A

A.A.A. Weaving Service, 1182 Madison Ave., New York 28, N. Y.
A A Laundry Machinery Co., 1110-12 S. Kedzie Ave., Chicago 12, Ill.
A-B Novelty Corp., 519 30th St., Union City, N. J.
ABC Collar 'N' Cuff Co., 423 Broadway, New York 13, N. Y.
A.G.S. Co., Muskegon, Mich.
Academy Hanger Co., Inc., 177 E. 123rd St., New York 35, N. Y.
Ace Cabinet Corp., 1457 Broadway, New York 36, N. Y.
Ace Fastener Corp., 3415 N. Ashland Ave., Chicago 13, Ill.
Ace Hose & Rubber Co., 1708-14 S. State St., Chicago 16, Ill.
Ace Weaving Service, 416 Madison Ave., New York 17, N. Y.
Acker Corp., Box 3117-A, North Sta., Meridian, Miss.
Acme Dye House, Inc., 7606 Carnegie Ave., Cleveland 3, Ohio
Acme Hatters Supply Co., 104-106 Bleecker St., New York 12, N. Y.
Acme Industrial Compounds Corp., 625 S. Goodman, Rochester 7, N. Y.
Acme Soap Co., 251 Third St., Cambridge 42, Mass.
Adams Weaving Co., 1123 Republic Bldg., Chicago 4, Ill.
Adco, Inc., 900 W. Main St., Sedalia, Mo.
Addressograph-Multigraph Corp., 1200 Babbitt Rd., Cleveland 17, Ohio
Adell Chemical Co., 176 Race St., Holyoke, Mass.
Adelman Glove Cleaners, Inc., & Leather Cleaners, 1607 Devon Ave. & 3757 Fullerton, Chicago, Ill.
Adhesive Products Corp., 1660 Boone Ave., New York 60, N. Y.
Adrian Research & Chemical Co., Inc., Elm & Pennsylvania Aves., North Wales, Pa.
Advance Floor Machine Co., 2613 S.E. Fourth St., Minneapolis 14, Minn.
Aerol Co., Inc., 1731 Workman St., Los Angeles 31, Calif.
Aerovent Fan Co., 700 E. Ash St., Piqua, Ohio
Aetna Felt Co., Inc., 204 Centre St., New York 4, N. Y.
Air Cooling Engineering Co., P. O. Box 744, Evanston, Ill.
Ajax Pressing Machine Corp., 619 S. Fifth West St., Salt Lake City, Utah
Ald, Inc., 3549 N. Clark St., Chicago 13, Ill.
Alemite Div., Stewart Warner Corp., 1826 Diversey Parkway, Chicago 31, Ill.
Alert Boiler & Mfg. Co., 9661 Robson St., Detroit 28, Mich.
Alfreda Furs, 150 W. 30th St., New York, N. Y.
Allcraft Mfg. Co., 27 Hayward St., Cambridge 42, Mass.
Allegheny Ludlum Steel Corp., Oliver Bldg., Pittsburgh 22, Pa.
Allen & Vickers, Inc., 495 Glen Iris Dr., N. E., Atlanta, Ga.
Allen, R. C., Business Machines, Inc., 678 Front St., N. W. Grand Rapids, Mich.
Allied Equipment Co., 7671 Rogers Ave., Chicago 26, Ill.
Allied Laundry Machinery Corp., Wythe Ave., Brooklyn, N. Y.
Allis-Chalmers Mfg. Co., 1126 S. 70th St., Milwaukee 1, Wisc.
Allis, Louis, Co., 427 E. Stewart St., Milwaukee 7, Wisc.
All Star Industries, 147 Auction St., Memphis, Tenn.
Almore Dye House, 4412-4424 Wentworth Ave., Chicago 9, Ill.
Alrose Chemical Co., Div. Geigy Chemical Corp., P. O. Box 1294, Providence 1, R. I.
Alton Mfg. Co., 1112 Ross Ave., Dallas, Texas
Aluminum Co. of America, 640 Gulf Bldg., Pittsburgh 19, Pa.
Ambassador Continuous Towel Cabinet Co., 125 N. Mission Rd., Los Angeles 33, Cal.
Amber Mfg. Co., 607 S. Union Ave., Los Angeles 14, Cal.
Amber School of Reweaving, Box 628, No. Miami Beach, Fla.
Americaine, Inc., 1316 Sherman Ave., Evanston, Ill.
American Air Compressor Corp., 48th & Dell Ave., North Bergen, N. J.
American Alcolac Corp., 3450 Fairfield Rd., Baltimore 26, Md.
American Aniline Products, Inc., 50 Union Sq., New York 3, N. Y.
American Associated Cos., Inc., P. O. Box 4056, Atlanta, Ga.
American Blower Corp., Div., American-Standard, Detroit 32, Mich.
American Brake Shoe Co., Kellogg Div., 97 Humboldt St., Rochester 9, N. Y.
American Brass Co., American Metal Hose Div., 698 S. Main St., Waterbury 10, Conn.
American Cleaners Equipment Co., Div. American Laundry Machinery Co., 5050 Section Ave., Cincinnati 12, Ohio
American Coal Burner & Wood Stoker Corp., 18 E. Erie St., Chicago 11, Ill.
American Coat Hanger Mfg. & Specialty Co., 3917-21 W. Jefferson Blvd., Los Angeles 16, Cal.
American Colloid Co., 363 W. Superior St., Chicago 10, Ill.
American Coolair Corp., Box 2300, Jacksonville 3, Fla.
American District Steam Co., 455 Bryant St., North Tonawanda, N. Y.
American Electrical Heater Co., 6110 Cass Ave., Detroit 2, Mich.
American Engineering Co., Armingo Ave. & Cumberland St., Philadelphia 25, Pa.
American Felt Co., Glenville, Conn.
American Floor Products Co., 4922 Wisconsin Ave., N.W., Washington 16, D. C.
American Hair & Felt Co., 1828 Merchandise Mart, Chicago 54, Ill.
American Hatters Supplies, Inc., 9 E. Harrison St., Chicago 5, Ill.
American Institute of Laundering, Joliet, Ill.
American-La France-Foamite Corp., 100 E. La-France St., Elmira, N. Y.
American Laundry Machinery Co., Ross & Section Aves., Cincinnati 12, Ohio
American Mineral Spirits Co., 230 N. Michigan Ave., Chicago, Ill.
American Monorail Co., 13107 Athens Ave., Cleveland 7, Ohio
American Mothproofing Co., 2510 Hampton Ave., St. Louis 10, Mo.
American Numbering Machine Co., Atlantic & Shepherd Aves., Brooklyn 8, N. Y.
American Pressboard Co., Inc., 114 W. 30th St., New York 1, N. Y.
American Shirt Co., 1123 Broadway, New York 10, N. Y.
American Sterilizer Co., 1230 Plum St., Erie, Pa.
American Telephone & Telegraph Co., 195 Broadway, New York 7, N. Y.
American Textile Weaving Co., 5 N. Wabash, Chicago, Ill.
American Water Softener Co., Fourth & Lehigh, Philadelphia 33, Pa.
American Wire Form Corp., 265 Grant Ave., Jersey City 5, N. J.
Ames Iron Works, Inc., Oswego, N. Y.
Analytical Measurements, Inc., 585 Main St., Chatham, N. Y.
Anderson Box & Basket Co., Inc., Henderson, Ky.
Anderson Collar Support Co., 1443 E. 120th St., Cleveland 6, Ohio
Anderson Specialty Mfg. Co., 5 Hunt Rd., Jamestown, N. Y.
Anderson, V. D., Co., Div. International Basic Economy Corp., 1935 W. 96th St., Cleveland 2, Ohio
Anderson-Prichard Oil Corp., 1000 Liberty Bank Bldg., Oklahoma City 2, Okla.
Andrew Paper Box & Bag Corp., Brooklyn 23, N. Y.
Andrew Technical Service, 11 E. Delaware Pl., Chicago 11, Ill.
Angelica Uniform Co., 1419-29 Olive St., St. Louis 3, Mo.
Angle Steel, Inc., Acorn St., Plainwell, Mich.
Ansul Chemical Co., Marinette, Wisc.
Anthony Co., 47-33 Fifth St., Long Island City 1, N. Y.
Apex Chemical Co., Inc., 225 W. 34th St., New York 1, N. Y.
Apex Rotarex Corp., 1070 E. 152nd St., Cleveland 10, Ohio
Applegate Chemical Co., 5632 Harper Ave., Chicago 37, Ill.
Appliance Service Co., 1821 54th St., Brooklyn 4, N. Y.
Aqua Electric Scale Control, Inc., 2028 E. 22nd St., Cleveland 15, Ohio
Aqua-Jet Machine Corp., 225 W. 34th St., New York 1, N. Y.
Aqua-Sec Corp., 1450 Broadway, New York 18, N. Y.
Aquatrol, Inc. (Specialties Div.), 689 Milwaukee Ave., Chicago 22, Ill.
Arabol Mfg. Co., 110 E. 42nd St., New York 17, N. Y.
Armen Chemicals, Inc., 630 S. Ashley St., Ann Arbor, Mich.
Armite Laboratories, 6609 Broad St., Los Angeles 1, Cal.
Armour & Co., Industrial Soap Dept., 1355 W. 31st St., Chicago 9, Ill.
Arms Textile Mfg. Co., 200 Fifth Ave., New York 10, N. Y.
Armstrong Machine Works, 832 Maple St., Three Rivers, Mich.
Arnold-Hoffman & Co., Inc., 55 Canal St., Providence, R. I.
Aroscent, Inc., P. O. Box 269, Dobbs Ferry, N. Y.
Arrow Fastener Co., Inc., 1 Junius St., Brooklyn 12, N. Y.
Arrow Mfg. Co., Inc., 2924 Terrace St., Kansas City 8, Mo.
Arrow Tank Co., Inc., 16 Barnett St., Buffalo 15, N. Y.
Asselin, Victor, Fur Co., 412 Eighth Ave., New York 1, N. Y.
Associated Crib Diapers Cos., 4747 N. Damen Ave., Chicago 25, Ill.
Atlanta Brush Co., Box 1358, Atlanta 1, Ga.
Atlanta Paper Co., Marietta Ave., Atlanta, Ga.
Atlas Body Co., 4150 E. Thompson St., Philadelphia 37, Pa.
Atlas Powder Co., Chemicals Div., Concord Pike & New Murphy Rd., Wilmington 99, Del.
Atlas Steel Products, Inc., 1160 Chico Ave., El Monte, Cal.
Attapulgas Clay Co., 210 W. Washington Sq., Philadelphia 5, Pa.
Autographic Register Co., Seventh & Park, Hoboken, N. J.
Automatic Paper Box Corp., 1011-25 S. California Ave., Chicago, Ill.
Automatic Steam Products Corp., 140 W. 31st St., New York, N. Y.
Automobile Insurance Co., 151 Farmington Ave., Hartford, Conn.
Ayerst, McKenna & Harrison, 22 E. 40th St., New York 16, N. Y.

B

B & C Engineering Co., 2706 Chestnut St., Toledo, Ohio
B & G Machinery Co., Inc., 2432 Southeastern Ave., Indianapolis 1, Ind.
Baehr Laundry Machine Co., 29 Calumet St., Newark 5, N. J.
Bailey Meter Co., 1050 Ivanhoe Rd., Cleveland 10, Ohio
Bailey, Prihoda & Co., 326 Kalamazoo Ave., Kalamazoo 11, Mich.

Barber-Colman Co., 1300 Rock St., Rockford, Ill.
Barco Mfg. Co., 1801-15 Winnemac Ave., Chicago 40, Ill.
Barker Mfg. Co., 730½ E. Michigan Ave., Battle Creek, Mich.
Barreled Sunlight Paint Co., 10 E. Dudley St., Providence 1, R. I.
Barrett Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Bartlett Label Co., 2135 Portage St., Kalamazoo 29F, Mich.
Bauer, Samuel, & Sons, Inc., 143 W. 29th St., New York, N. Y.
Beach Soap Co., 125 Lawrence St., Lawrence, Mass.
Beaver Pipe Tools, Inc., 310 Dana Ave., Warren, Ohio
Behrstock, L., Co., 1708 S. State St., Chicago 16, Ill.
Belnap & Thompson, Inc., 271 Madison Ave., New York, N. Y.
Bemis Bro. Bag Co., 408 Pine St., St. Louis 2, Mo.
Benda Products, Inc., 120 Potter St., Cambridge 42, Mass.
Bendix Aviation Corp., Flexible Hose Div., U. S. Route 6, Teterboro, N. J.
Bendix Commercial Laundry Div., Avco Mfg. Corp., 1329 Arlington St., Cincinnati 25, Ohio
Benton Bros., 2322 12th Ave., N., Birmingham, Ala.
Benwall Mfg. Co., Inc., 2859 Atlantic Ave., Brooklyn 7, N. Y.
Bergen Machine Tool Co., Inc., Radne Unit Springs Div., 189 Franklin Ave., Nutley 10, N. J.
Berger Mfg. Div., Republic Steel Corp., 1038 Belden Ave., N. E., Canton 5, Ohio
Berlou Mfg. Co., 421 Monroe St., Marion, Ohio
Bernard-Franklin Co., Inc., 3000 E. Hedley St., Philadelphia 37, Pa.
Bersworth Chemical Co., Waverly St., Framingham, Mass.
Bertsch & Co., Cambridge City, Ind.
Besley Corp., 4053 Harlan St., Emeryville 8, Cal.
Best Coat & Apron Mfg. Co., Inc., 408 E. 59th St., New York 22, N. Y.
Best Forms Co., 10 Grace St., P. O. Box 736, Wilmington, N. C.
Best Textile Co., 408 E. 59th St., New York 22, N. Y.
Bestway Shine Removal Co., Inc., 416 Madison Ave., New York 17, N. Y.
Better Packages, Inc., 254 Canal St., Shelton, Conn.
Bigelow Chemical Products Corp., 98 Bigelow St., Quincy 69, Mass.
Bigelow-Sanford Carpet Co., 136 Madison Ave., New York 16, N. Y.
Bildwell Manufacturers, 315 E. Liberty St., Ann Arbor, Mich.
Bimberg, Ben. & Co., Inc., 373 Broadway, New York 10, N. Y.
Binks Mfg. Co., 3114 W. Carroll Ave., Chicago 12, Ill.
Bishop David Freeman Co., 1600 Foster Ave., Evanston, Ill.
Blackmer Pump Co., 1809 Century Ave., S. W., Grand Rapids 7, Mich.
Blair Hunt Co., 134 McDonald Ave., Albertville, Ala.
Blenco Co., 698 Manhattan Ave., Brooklyn 22, N. Y.
Blok-Rite Mfg. Co., P. O. Box 404 San Jose, Cal.
Bock Laundry Machine Co., Toledo Factories Bldg., Toledo 2, Ohio
Boiler Engineering & Supply Co., Inc., Manavon St., Phoenixville, Pa.
Bond Foundry & Machine Co., Manheim, Pa.
Bond Street Bag & Paper Corp., 90 First St., Brooklyn 31, N. Y.
Bonis Bros. Fur Machinery Corp., 312 Seventh Ave., New York 1, N. Y.
Bonn, F. H., Co., 111 N. Hickory Ave., Arlington Heights, Ill.
Borne, Scrymser Co., 632 S. Front St., Elizabeth, N. J.
Bostitch, Inc., 537 Mechanic St., Westerly, R. I.
Boston Clip & Tag Co., 48 Grove St., Somerville, Mass.
Bostwick-Batterson Co., 315-23 N. 12th St., Philadelphia 7, Pa.
Bostwick Laboratories, 706 Bostwick Ave., Bridgeport 5, Conn.
Bowser, Inc., 1302 E. Creighton Ave., Fort Wayne 2, Ind.
Boyertown Auto Bory Works, Inc., Boyertown, Pa.
Brady Conveyors Corp., 20 W. Jackson Blvd., Chicago 4, Ill.
Braun Brush Co., 8833 78th St., Woodhaven 21, N. Y.
Braun, G. A., Inc., Empire Bldg., Syracuse, N. Y.
Braun, Philip N., 2204 Erie Blvd., East, Syracuse 1, N. Y.
Brenew Co., Platteville, Wisc.
Bressler Engineering Service, 509 N. Fourth Ave., P. O. Box 111, Oregon 1, Ill.
Breuer Electric Mfg. Co., 5100 N. Ravenswood Ave., Chicago 40, Ill.
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Bristol Co., Waterbury 91, Conn.
Brooks, Alfred J., 184 Dent St., West Roxbury, Boston, Mass.
Bros, Wm., Boiler & Mfg. Co., 1057 10th Ave., S.E., Minneapolis 14, Minn.
Brown, Dayton T., Inc., 1305 Strong Rd., Copiague, L. I., N. Y.
Brownell Co., 450 N. Findlay St., Dayton 1, Ohio
Brumber & Zinniel, 6211 N. Bay Ridge Ave., Milwaukee, Wisc.
Bruner Corp., 4763 N. 32nd St., Milwaukee 9, Wisc.
Brunner Mfg. Co., 1821 Broad St., Utica 1, N. Y.
Bryan Steam Corp., P. O. Box 337, Peru, Ind.
Bryant Heater Div., Affiliated Gas Equipment, Inc., 17825 St. Clair Ave., Cleveland 10, Ohio
Buffalo Meter Co., 2917 Main St., Buffalo 14, N. Y.
Bunn, B. H., Co., 7605 Vincennes Ave., Chicago 20, Ill.
Burcott Mills, 616 W. Fulton St., Chicago 6, Ill.
Burroughs Adding Machine Co., 6071 Second Ave., Detroit 32, Mich.
Bussard, R. D., & Son, 505 E. Fifth Ave., Albany, Ore.
Butler Engineering Co., 2612 Rousseau St., New Orleans 13, La.
Butler Mfg. Co., 7400 E. 13th St., Kansas City 26, Mo.

C

C & H Electric Co., 436 W. Juneau Ave., Milwaukee 3, Wisc.
C. O. D. Cleaning & Dyeing Co., Davenport, Iowa
Cade Paper & Bag Corp., 58 Sedgewick St., Brooklyn 2, N. Y.
Caldwell, W. E., Co., 2050 Brook St., Louisville, Ky.
Calusa Chemical Co., 2132 Sacramento St., Los Angeles 21, Calif.
Caled Products Co., Inc., 4200 Bladensburg Blvd., Brentwood, Md.
Calgon, Inc., 323 Fourth Ave., Pittsburgh 22, Pa.
California Laundry Equipment Co., 2221 Union St., Oakland, Cal.
Callaway Mills, Inc., 295 Fifth Ave., New York 16, N. Y.
Campbell Box & Tag Co., Main & Guide Sts., South Bend 23, Ind.
Campbell, J. A., Co., 645 E. Wardlow Rd., Long Beach 7, Cal.
Canton Stoker Corp., 1200 Andrew Pl., Canton 1, Ohio
Canvas Specialty Co., P. O. Box 937, Hartford 1, Conn.
Capital Poster Service, Inc., 307 Canal St., New York, N. Y.
Cappel, MacDonald & Co., 30 E. 60th St., New York, N. Y.
Carbide & Carbon Chemicals Corp., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
Carey, Philip, Mfg. Co., Lockland St., Cincinnati 15, Ohio
Carey Salt Co., Carey Bldg., Hutchinson, Kans.
Carlton Chemical Co., Inc., 33 Commerce St., New York 14, N. Y.
Carlyle Rubber Co., Inc., 64 Park Pl., New York 7, N. Y.
Carnegie-Illinois Steel Corp., Carnegie Bldg., Pittsburgh 30, Pa.
Carrier Corp., 300 S. Geddes St., Syracuse, N. Y.
Carry Pack Co., Ltd., 9525 W. Irving Park Rd., Schiller Park, Ill.
Carson Textile Co., Inc., 2401 S. Swanson St., Philadelphia, Pa.
Carter's Ink Co., 239 First St., Cambridge 42, Mass.
Carver Pump Co., Hershey & Green Sts., Muscatine, Iowa
Cash, A. W., Valve Mfg. Corp., 666 E. Wabash Ave., Decatur, Ill.
Cash, J. & J., Inc., Chestnut St., South Norwalk, Conn.
Caterpillar Tractor Co., 350 Fifth Ave., New York, N. Y.
Central Brass Mfg. Co., 2950 E. 55th St., Cleveland 4, Ohio
Central Dyeing Co., 1550 Dickson Ave., Scranton 9, Pa.
Centrize, 2224 63rd St., Kenosha, Wisc.
Century Electric Co., 1806 Pine St., St. Louis 3, Mo.
Century Paper Products Co., 333 N. Francisco, Chicago, Ill.
Certified Chemical & Equipment Co., 5366 St. Clair Ave., Cleveland 3, Ohio
Chace Valve Div., American Laundry Machinery Co., Norwood Station, Cincinnati 12, Ohio
Challenge Mfg. Co., 7400 E. Bandini Blvd., Los Angeles 22, Calif.
Challenge Marking Tag Co., 3917-21 W. Jefferson Blvd., Los Angeles 16, Cal.
Champion Implement Corp., 45 W. 45th St., New York 19, N. Y.
Chandler Machine Co., West St., Ayer, Mass.
Chapman Suede & Leather Refinishers, 1307 Franklin Ave., Wichita, Kans.
Charlotte Leather Belting Co., 314-B E. Sixth St., Charlotte 1, N. C.
Chase Brass & Copper Co., 236 Grand St., Waterbury 91, Conn.
Chatillon, John, & Sons, 89 Cliff St., New York 38, N. Y.
Checking System Co., 515 S. Walker St., Columbia, S. C.
Chek Products, Inc., 31 Nassau Pl., East Orange, N. J.
Chelsea Fan & Blower Co., 639 South Ave., Plainfield, N. J.
Chempump Corp., 1300 E. Mermaid Lane, Philadelphia 18, Pa.
Chevlin, Samuel, Co., Inc., 2721 N. Halsted St., Chicago 4, Ill.
Chevrolet Motor Div., General Motors Corp., Detroit 2, Mich.
Chicago Automatic Stoker Co., 14 N. Clinton St., Chicago 6, Ill.
Chicago Dryer Co., 2210 N. Pulaski Rd., Chicago 39, Ill.
Chicago Pump Co., 2300 Wolfram St., Chicago 18, Ill.
Chicago Used & New Laundry Equipment Co., 3128 W Lake St., Chicago 12, Ill.
Chisholm-Moore Hoist Div., Columbus McKinnon Chain Corp., Fremont Ave., Tonawanda, N. Y.
Chrysler Corp., Airtemp Div., 1119 Leo St., Dayton, Ohio
Chrysler Corp., Amplex Div., 6501 Harper Ave., Detroit 31, Mich.
Cidex Corp., 44 Sherman Ave., Jersey City 7, N. J.
Cincinnati Marking Tag & Supply Mfg. Co., 12 E. Ninth St., Cincinnati 2, Ohio
Cincinnati Repair Service, 413 Race St., Cincinnati, Ohio
Cinti Suede & Leather Cleaners, 8581 Cheviot Rd., Cincinnati, Ohio
Cissell, W. M., Mfg. Co., Inc., 831 S. First St., Louisville 1, Ky.
Clarage Fan Co., North & Porter Sts., Kalamazoo 16, Mich.
Clark Mfg. Co., 1830 E. 38th St., Cleveland 14, Ohio
Clayton Mfg. Co., 1363 N. Temple City Blvd., El Monte, Cal.
Cleaners Hanger Co., 18140 James Couzens Highway, Detroit 35, Mich.
Cleaners Sales & Equipment Corp., 25 Division Pl., Brooklyn 22, N. Y.
Cleaners Specialties Supplies Co., 6615 N. Fairfield Ave., Chicago 45, Ill.
Clear View Packaging Co., 8281 S. Stony Island Ave., Chicago 17, Ill.
Cleaver-Brooks Co., 358 E. Keefe Ave., Milwaukee 12, Wisc.
Cleveland Garment Hanger Co., 8205 Madison Ave., Cleveland 2, Ohio
Cleveland Heater Co., 2310 Superior Ave., Cleveland, Ohio
Cleveland Rug Cleaning Machinery Co., 5618 Hamlet Ave., Cleveland 4, Ohio
Clinton Corn Processing Co., Clinton, Iowa
Clinton Products Co., Clinton 7, Mich.
Clipper Belt Lacer Co., 974 Front Ave., N.W., Grand Rapids 2, Mich.
Clopay Corp., Clopay Sq., Cincinnati 14, Ohio
Clorox Chemical Co., 850 42nd Ave., Oakland 1, Cal.
Clothes-A-Clean Mfg. Corp., 5600 N. W. 2nd Ave., Miami, Fla.
Coates Electric Mfg. Co., 3610 First Ave. S., Seattle 4, Wash.
Cochrane Corp., 3101 N. 17th St., Philadelphia 32, Pa.
Coe Mfg. Co., Bank St., Painesville, Ohio
Coffman Mfg. Corp., 531 Milwaukee Ave., Chicago 22, Ill.
Cole Leather Cleaners of America, 1287 Second Ave., New York 21, N. Y.
Colgate-Palmolive Co., 300 Park Ave., New York 22, N. Y.
College Chemical Co., 16 Brooks Park, Medford, Mass.
Colonial Envelope Co., Inc., 24 East 22nd St., New York, N. Y.
Colonial Rubber Co., Ravenna, Ohio
Colorado Tent & Awning Co., 1642 Lawrence St., Denver 2, Colo.
Colson Corp., N. Cedar St., Elyria, Ohio
Columbia Appliance Corp., 47-47 35th St., Long Island City, N. Y.
Columbia Boiler Co. of Pottstown, Box 230, Pottstown, Pa.
Columbia Laundry Machinery Co., 1313-19 E. 15th St., Kansas City, Mo.
Columbia Sewing Machine Corp., 129-131 W. 22nd St., New York 3, N. Y.
Columbia-Southern Chemical Corp., One Gateway Center, Pittsburgh 22, Pa.
Columbus Lace Cleaning Co., 49 Greenlawn Ave., Columbus, Ohio
Columbus Reweavers, 7651 N. E. Second Ave., Miami, Fla.
Combustion Control Corp., 77 Broadway, Cambridge 42, Mass.
Combustioneer Div., Steel Products Engineering Co., 1205 W. Columbia St., Springfield, Ohio
Combustion Engineering Co., Inc., 200 Madison Ave., New York, N. Y.
Comer Co., 308 Ivy St., N. E. Atlanta 1, Ga.
Comet Envelope & Paper Co., Inc., 5 E. 17th St., New York 3, N. Y.
Commercial Filters Corp., 2 Main St., Melrose 76, Mass.
Commercial Heater Co., P. O. Box 7295, Fort Worth, Texas
Commercial Investment Trust, Inc., 1 Park Ave., New York 16, N. Y.
Commercial Tag Co., 187 Vanderbilt Ave., Brooklyn 5, N. Y.
Conco Engineering Works, Div. H. D. Conkey & Co., 1900 Orange St., Mendota, Ill.
Concord Chemical Co., Inc., P. O. Box 800, Camden 1, N. J.
Cone Mills, Inc., 59 Worth St., New York 13, N. Y.
Connolly, J. J., Inc., 457 W. 40th St., New York 18, N. Y.
Conrad Embroidery Co., 523 30th St., Union City, N. J.

Con-Secu-Tag, Inc., 27 Hooper St., Brooklyn 11, N. Y.
Continental Car-Na-Var Corp., P. O. Box 344, Brazil, Ind.
Cook Machinery Co., Inc., 4122 Commerce St., Dallas, Texas
Cook's Adam, Sons, Inc., 5 N. Stiles St., Linden, N. J.
Coolidge, John E., Co., 2508 W. Slauson Ave., Los Angeles 43, Cal.
Cooper-Bessemer Corp., N. Sandusky St., Mt. Vernon, Ohio
Cooper, H. P., Co., 308-10 S. Green St., Chicago 7, Ill.
Cornell Belting Co., 440 N. Wells St., Chicago 10, Ill.
Cornell Paperboard Products Co., Milwaukee 1, Wisc.
C-O-Two, U. S. Highway 1, Newark 1, N. J.
Cowles Chemical Co., 7016 Euclid Ave., Cleveland 3, Ohio
Crane Co., 836 S. Michigan Ave., Chicago 5, Ill.
Cravenette Co., U. S. A., Eighth & Madison Sts., Hoboken, N. J.
Crawford Fitting Co., 884 E. 140th St., Cleveland, Ohio
Crescent Belt Fastener Co., 480 Lexington Ave. New York 17, N. Y.
Crewdson Co., 626 S. Clark St., Chicago 5, Ill.
Crocker-Wheeler Electric Mfg. Co., Div. Joshua Hendy Iron Works, Ampere, N. J.
Crosby Steam Gauge & Valve Co., 10 Roland St., Boston 29, Mass.
Crown Mfg. Co., 1025 N. Sixth St., St. Louis 1, Mo.
Crucible Steel Co. of America, Henry W. Oliver Bldg., Mellon Sq., Pittsburgh 22, Pa.
Culligan Zeolite Co., 1810 Shermer Rd., Northbrook, Ill.
Cummings-Landau Laundry Machinery Co., Inc., 305-17 Ten Eyck St., Brooklyn 6, N. Y.
Cupples-Hess Corp., 4175 N. Kingshighway Blvd., St. Louis 15, Mo.
Curry, J. W., Co., 2615 Cummins St., Cincinnati 25, Ohio
Curtis Mfg. Co., 1905 Kienlen Ave., St. Louis 20, Mo.
Custom Engineering Co., 3138 W. Slauson Ave., Los Angeles 43, Cal.
Custom Fur Service, Inc., Second Ave., at 109th St., Troy, N. Y.
Custom Leather Refinishers, 310 Prospect St., Trenton, N. J.
Cutler-Hammer, Inc., 315 N. 12th St., Milwaukee 1, Wisc.
Cyclotherm Div., U. S. Radiator Corp., 157 E. First St., Oswego, N. Y.

D

Dahlberg Machinery Co., 417 Torrey Bldg., Duluth, Minn.
Dakota Chemical Co., Arberdeen, S. D.
Daniels, C. R., Inc., Daniels, Md.
Darco Dept. (Atlas Powder Co.), 60 E. 42nd St., New York 17, N. Y.
Darnell Corp., Ltd., 12000 Woodruff Ave., Downey, Cal.
Davies-Young Soap Co., 705 Albany St., Dayton 1, Ohio
Davis Emergency Equipment Co., Inc., 45 Halleck St., Newark 4, N. J.
Davis Engineering Corp., 1604 E. Grand St., Elizabeth 4, N. J.
Davis, K. H., Mfg. Corp., 2415 E. 23rd St., Los Angeles 11, Cal.
Davis Mills, Inc., 211 Grant Ave., East Newark, N. J.
Davis Regulator Co., 2663 W. 25th Pl., Chicago 8, Ill.
Davis-Weil Mfg. Co., Inc., 931 S. Front St., Memphis 3, Tenn.
Dean Hill Pump Co., 4000 E. 16th St., Indianapolis 7, Ind.
DeBothezat Fans Div., American Machine & Metals, Inc., East Moline, Ill.
Decatur Pump Co., 2750 Nelson Pk. Rd., Decatur 70, Ill.
Deep Rock Oil Corp., 155 N. Clark St., Chicago 90, Ill.
Deer Park Cleaners, 7110 Blue Ash Ave., Cincinnati, Ohio
Defender Instrument & Regulator Co., 815 Clark Ave., St., Louis 2, Mo.
Dejur Electric Works, 124 Bleecker St., New York 12, N. Y.
De Kalb Commercial Body Corp., De Kalb, Ill.
Delan Co., 421 E. Fourth South St., Salt Lake City 2, Utah
De Laval Steam Turbine Co., 853 Nottingham Way, Trenton 2, N. J.
Dello Products Co., 1109-11 First St., Lanett, Ala.
Deming Co., Salem, Ohio
Denney Tag Co., West Chester, Pa.
Dennison Mfg. Co., 300 Howard St., Framingham, Mass.
Denominator Co., 261 Broadway, New York, N. Y.
Detecto Scales, Inc., 540 Park Ave., Brooklyn 5, N. Y.
Detex Watchclock Corp., 76 Varick St., New York 13, N. Y.
Detroit Belt Lacer Co., 3951 A St., Detroit 16, Mich.
Detrex Chemical Industries, Inc., 14331 Woodrow Wilson, Box 501, Detroit 32, Mich.
Detroit Stoker Co., General Motors Bldg., Detroit, Mich.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, Ohio
Devoe & Raynolds Co., Inc., 44th St. & First Ave., New York, N. Y.
Dewey-Shepard Boiler Co., 1311 N. Capital Ave., Indianapolis 2, Ind.
DeWitt Glove Co., 207 Metropolitan Bldg., Detroit, Mich.
Diamond Alkali Co., 300 Union Commerce Bldg., Cleveland 14, Ohio
Diamond Cham Co., Inc., 402 Kentucky Ave., Dept. 442, Indianapolis 7, Ind.
Diamond Chemical Co., 720 Clementine St., San Francisco 3, Cal.
Diamond Chemical Co., Inc., 34-02 Laurel Hill Rd., Maspeth 78, N. Y.
Diamond Metal Products Co., 406 Market St., St. Louis 2, Mo.
Diamond T Motor Co., 4401 W. 26th St., Chicago 23, Ill.
Diamond Wire Hanger Co., 252 State St., Clairton, Pa.
Dicalite Div., Great Lakes Carbon Corp., 612 S. Flower St., Los Angeles 17, Cal.
Dico Co., 200 S. W. 16th St., Des Moines 5, Iowa
Diehl Mfg. Co., Electrical Div. Singer Mfg. Co., 1136 Finderne Ave., Somerville, N. J.
Diem & Wing Paper Co., Gilbert Ave. Viaduct, Cincinnati 2, Ohio
Dillard Paper Co., 524 Ashe St., Greensboro, N. C.
Dipcraft Mfg. Co., 1238 Voskamp St., Pittsburgh 12, Pa.
Ditmas Garment Dyers Corp., 9528-30 Ditmas Ave., Brooklyn 12, N. Y.
Divco Corp., 22000 Hoover Rd., Detroit 5, Mich.
Dixie Hanger Co., Subsidiary United Paper Co., Inc., 1000 Chartres St., New Orleans 16, La.
Dixo Co., 158 Central Ave., Rochelle Park, N. J.
Dixon Boiler Works, 1625 Naud St., Los Angeles, Cal.
Doctor Boiler, Inc., 4316 Main St., Dallas, Texas
Dodge Div., Chrysler Corp., 7900 Jos. Campeau Ave., Detroit, Mich.
Dodson, Bruce, & Co., 28th & Wyandotte Sts., Kansas City 41, Mo.
Donnell Co., P. O. Box 84, St. Joseph, Mich.
Dover Stamping Co., 80 Federal St., Boston 10, Mass.
Dow Chemical Co., 1000 Main St., Midland, Mich.
Draper-Eze Equipment Co., 110-112 E. Sixth St., Erie, Pa.
Dravo Corp., 300 Penn Ave., Pittsburgh 22, Pa.
Dresser Mfg. Div., Dresser Industries, Inc., 41 Fisher Ave., Bradford, Pa.
Drew, E. F., & Co., Inc., 15 E. 26th St., New York 10, N. Y.
Driair Process Machinery Co., Penn & Ruan Sts., Philadelphia 24, Pa.
Drico Industrial Corp., 29 Broadway, New York 6, N. Y.
Dri Flo Mfg. Co., 642 E. Ten Mile Rd., Hazel Park, Mich.
Driseal Co., 251 Causeway St., Boston 14, Mass.
Dublife Collar Co., 268 Fourth Ave., New York 10, N. Y.
Duffen Dye Works, 2213 County St., Portsmouth, Va.
Dunaway, H. D., and Co., 22 - 16th St., N. W., Atlanta 9, Ga.
Duo-White Co., S. Jefferson Rd., Whippany, N. J.
Du Pont de Nemours, E. I., & Co., Inc., Wilmington 98, Del.
Durant Mfg. Co., 1925 N. Buffum St., Milwaukee 1, Wisc.
Dura-Tech Chemical Mfrs., 126 25th Ave., San Mateo, Calif.
Duro Envelope Co., 24 E. 22nd St., New York 10, N. Y.
Dwyer, F. W., Mfg. Co., 317 S. Western Ave., Chicago 12, Ill.
Dyer Co., The, Box 699, Carrollton, Texas
Dyo Chemical Co., 2200 S. Central Expressway, Dallas, Texas

E

Eagle Belting & Leather Co., 1401 Central Park-Way, Cincinnati 14, Ohio
Eagle Mfg. Co., 24th & Charles Sts., Wellsburg, W. Va.
Eastern Cyclone Conveyor Systems, Inc., 876 Van Houten Ave., Clifton, N. J.
Easy Industries, 162 N. Clinton St., Chicago 6, Ill.
Eaton Chemical & Dyestuff Co., 1490 Franklin St., Detroit 7, Mich.
Ebco Mfg. Co., 401 W. Town St., Columbus, Ohio
Eclipse Fuel Engineering Co., 1100 Buchanan St., Rockford, Ill.
Eclipse Pioneer Div., Bendix Aviation Corp., Teterboro, N. J.
Economy Hanger Machine & Equipment Co., 3670 El Cajon Blvd., San Diego, Cal.
Economy Tablet & Paper Co., 667 W. 14th St., Chicago, Ill.
Econo-Pak Register Co., 1337 E. 27th St., Kansas City 8, Mo.
Edelmuth Mfg. Chemists, 324 Alden Ave., New Haven 15, Conn.
Edwards, Vincent, & Co., 342 Madison Ave., New York 17, N. Y.
Edward Valves, Inc., Subsidiary Rockwell Mfg. Co., 1200 W. 145th St., East Chicago, Ind.
Egan Cotton Mills, 866 Murphy Ave., S.W., Atlanta 4, Ga.
Egry Register Co., 429 E. Monument Ave., Dayton 2, Ohio
Elcco Div., International Mfg. Co., Inc., P. O. Box 578, Garland, Texas
Electric Auto-Lite Co., Instrument & Gauge Div., Champlain St., Toledo 1, Ohio
Electric City Dyeing Co., 509 Glenn St., Scranton, Pa.
Electric Steam Boiler Sales, Div. Wolf Co., Wolf Ave., Chambersburg, Pa.
Electric Storage Battery Co., 42 S. 15th St., Philadelphia 2, Pa.
Electro Chemical Engineering Co., Inc., P. O. Box 27, Bremen Station, St. Louis 7, Mo.
Electro Lift, Inc., 30 Church St., New York 7, N. Y.
Elgin Softener Corp., 150 N. Grove Ave., Elgin, Ill.
Ellenbogen & Shannon, Inc., 10½ Macdougal Alley, New York 11, N. Y.
Elliott Addressing Machine Co., 143 Albany St., Cambridge 39, Mass.
Elliott Co., Crocker-Wheeler Div., Ampere, N. J.
Elliott, Robert, Press, Inc., 345 Ludlow St., Stamford, Conn.
Ellis Drier Co., 2444 N. Crawford Ave., Chicago 39, Ill.
Emery Industries, Inc., Sanitone Div., 4200 Carew Tower, Cincinnati 2, Ohio
Empire Cleaning & Dyeing Works, 622 Hollenbeck St., Rochester 5, N. Y.
Endriss Chemicals, 940 N. Delaware Ave., Philadelphia 23, Pa.
Engineering & Production Specialties, 75 Blanchard St., Jamestown, N. Y.
Epstein's Edco Process Dry Cleaners, 166 N. Clinton Ave., Rochester, N. Y.
Equitable Paper Bag Co., Inc., 45-50 Van Dam St., Long Island City 1, N. Y.
Erie City Iron Works, 1550 East Ave., Erie, Pa.
Ernest, F. P., Mfg. Co., 1112 St. Clair Ave., East St. Louis, Ill.
Essick Mfg. Co., 1950 Santa Fe Ave., Los Angeles 21, Calif.
Eure & Co., Box 221, Edgewater, Md.
Eureka Button Co., 892 Broadway, New York 3, N. Y.
Everett Sales & Equipment Corp., 251 Third Ave., New York 10, N. Y.
Ewing, R., & Sons, Inc., P. O. Box 454, Green Island, N. Y.
Excel Products Co., 533 W. Ninth St., Davenport, Iowa
Excelsior Machinery Co., 1452 Randolph St., Detroit 26, Mich.

F

Fablok Mills, Inc., 46 Cordier St., Irvington, N. J.
Fabricare Chemical Corp., 920-930 E. 43rd St., Chicago 15, Ill.
Fabricon Co., 8342 S. Prairie Ave., Chicago 19, Ill.
Fafnir Bearing Co., Booth St., New Britain, Conn.
Fairbanks Co., 393 Lafayette St., New York 3, N. Y.
Fairbanks Morse & Co., Fairbanks Morse Bldg., 600 S. Michigan Ave., Chicago 5, Ill.
Fairfield Laboratories, Plainfield, N. J.
Fastik Co., 1106 W. Erie St., Chicago 22, Ill.
Fawr, Inc., 1183 Jefferson Ave., Buffalo, N. Y.
Federal Motor Truck Co., 5780 Federal Ave., Detroit, Mich.
Fielden Instrument Corp., 2920 N. Fourth St., Philadelphia, Pa.
Filtrol Corp., 3250 East Washington Blvd., Los Angeles 23, Cal.
Firefly Asbestos Products Co., 175 Bergen St., Newark 3, N. J.
Fischer & Porter Co., Hatboro, Pa.
Fisher Dye Works, 1813 Emmanuel St., Houston, Texas
Fiske Bros. Refining Co., Lubriplate Div., 129 Lockwood St., Newark 5, N. J.
Flash Fast Marker Co., 994 Dover Ave., Akron 20, Ohio
Fleetwood-Airflow Div., E. L. Chrisman Co., 8255 Compton Ave., Los Angeles 1, Cal.
Fleischer Mills, Inc., 316 E. Fifth St., Cincinnati 2, Ohio
Fletcher Works, Inc., Glenwood Ave. & Second St., Philadelphia 40, Pa.
Flexible Steel Lacing Co., 4607 Lexington St., Chicago 44, Ill.
Flexonics Corp., 1315 S. Third Ave., Maywood, Ill.

Flintkote Co., 30 Rockefeller Plaza, New York 20, N. Y.
Flow-Master Machine Corp., 520 Third Ave., Brooklyn 15, N. Y.
Flynn & Emrich Co., 301 Holliday St., Baltimore 2, Md.
Ford, Luther, & Co., 100 N. Seventh St., Minneapolis 3, Minn.
Ford Motor Co., P. O. Box 658, Dearborn, Mich.
Ford Tank Maintenance Co., Inc., 715 E. 136th St., New York 54, N. Y.
Formula Controls, Inc., 612 W. 26th St., Chicago 16, Ill.
Forse Corp., P. O. Box 639, Anderson, Ind.
Foster-Stephens, Inc., 310 S. Christiana Ave., Chicago 24, Ill.
Foxboro Co., 38 Neponset Ave., Foxboro, Mass.
Franklin Mfg. Co., 2615 E. Franklin Ave., Minneapolis 6, Minn.
Franklin Research Co., 5134 Lancaster Ave., Philadelphia 31, Pa.
Fre-Bir-Pac, Inc., 876 Van Houten Ave., Clifton, N. J.
Fremont Rubber Co., 317 McPherson Highway, Fremont, Ohio
French Textile Co., 432 Ave. A., Rochester, N. Y.
French Unique Suede Cleaners, 7611 Melrose, Los Angeles, Calif.
Freund, Freund & Co., Inc., 102 Franklin St., New York 13, N. Y.
Freydberg Bros.-Strauss, Inc., 419 Fourth Ave., New York 16, N. Y.
Frigidaire Div., General Motors Corp., 300 Taylor St., Dayton 1, Ohio
Fry Bros. Co., 3600 Cardiff Ave., Cincinnati 9, Ohio
Frye, E. B., & Son, Wilton, N. H.
Fulton Boiler Works, Inc., P. O. Box 122, Oswego, N. Y.
Fumol Corp., 49-65 Van Dam St., Long Island City 1, N. Y.
Fur-Feel Process Corp., 231 Eagle St., Brooklyn 22, N. Y.

G

G & G Chemical Co., 704 W. Broadway, Hopewell, Va.
GMC Truck & Coach Div., General Motors Corp., 660 South Blvd., E., Pontiac 11, Mich.
Gabriel Boiler & Fabrication Co., 1428 N.W. 14th Ave., Portland 9, Ore.
Gardner-Denver Co., Gardner Dr., Quincy, Ill.
Gardner Machinery Corp., N. Andrill Terrace & Seaboard Railway, Charlotte 1, N. C.
Garment Finishing Equipment Corp., 18 Brattle St., Cambridge 38, Mass.
Garment Hanger Co., 2624 Geraldine St., Los Angeles 11, Cal.
Gasway Corp., 6463 N. Ravenswood Ave., Chicago 26, Ill.
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
General Aniline & Film Corp., Special Products Sales Div., 444 Madison Ave., New York 22, N. Y.
General Boiler Equipment Corp., 2651-53 Gravois St., St. Louis 18, Mo.
General Chemical Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
General Cleaners Products Co., 410 N. Kedzie Ave., Chicago 12, Ill.
General Control Co., 1216 Soldiers Field Rd., Boston 34, Mass.
General Detroit Corp., 2272 E. Jefferson St., Detroit 7, Mich.
General Dyeing Co., 818 Dorman St., Indianapolis 2, Ind.
General Dyestuff Corp., 435 Hudson St., New York 14, N. Y.
General Electric Co., 1 River Rd., Schenectady 5, N. Y.
General Electric Co., Air Conditioning Dept., 5 Lawrence St., Bloomfield, N. J.
General Electric Co., Lamp Dept., Nela Park, Cleveland, Ohio
General Equipment Co., Highway 14 East, Owatonna, Minn.
General Luminiscent Corp., 732 S. Federal St., Chicago 5, Ill.
General Motors Corp., General Motors Bldg., Detroit 2, Mich.
General Pacific Corp., 1501 E. Washington Blvd., Los Angeles 21, Cal.
General Scientific Equipment Co., 27th & Huntingdon Sts., Philadelphia 32, Pa.
Gerber Mfg. Co., 1602 W. Sixth St., Mishawaka, Ind.
Germaclean, Inc., 431 Niagara St., Buffalo 1, N. Y.
Germain's Inc., Twist-Ems Div., Los Angeles 21, Cal.
Gibralter Fabrics, Inc., 254-36th St., Brooklyn 32, N. Y.
Gifford, H. M., Mfg. Co., 2732 B St., Philadelphia 34, Pa.
Gilcor Mfg. Co., Inc., 3 E. Palisade Ave., Englewood, N. J.
Glamorene, Inc., 10 E. 44th St., New York 17, N. Y.
Glidden Co., 11001 Madison Ave., Cleveland 2, Ohio
Gliss'n Products Co., Inc., 11131 Michigan Ave., Chicago 28, Ill.
Globe Ticket Co. of New England, 620 Commonwealth Ave., Boston 15, Mass.
Globe Weaving Co., 17 N. State St., Chicago, Ill.
Glove Cleaning Service, 2132 W. 15th St., Cleveland, Ohio
Glover, Bill, Inc., 5204 Truman Rd., Kansas City 27, Mo.
Golden-Anderson Valve Specialty Co., 1232 Ridge Ave., Pittsburgh 33, Pa.
Goldman Mfg. Co., 13697 Elmira, Detroit 27, Mich.
Goldman Pressing Machine Corp., 400 W. Broadway, New York 12, N. Y.
Goodrich, B. F., Co., 500 S. Main St., Akron 18, Ohio
Goodyear Tire & Rubber Co., Akron, Ohio
Gorton Heating Corp., Cranford, N. J.
Goulds Pumps, Inc., 300 Fall St., Seneca Falls, N. Y.
Graton & Knight Co., 356 Franklin St., Worcester 4, Mass.
Graver Tank & Mfg. Co., Inc., 4809 Tod Ave., East Chicago, Ind.
Graves & Marshall Co., 720 E. Monument Ave., Dayton 2, Ohio
Great Eastern Paper Converters, Inc., 38-60 Review Ave., Long Island City 1, N. Y.
Greaves Machine Tool Co., 2001-17 Eastern Ave., Cincinnati 2, Ohio
Green, A. P., Fire Brick Co., Mexico, Mo.
Greenville Chemical Co., E. Stone & Bennett, P. O. Box 1087, Greenville, S. C.
Greif Bros. Cooperage Corp., Wire Garment Hanger Div., Pennsylvania Ave., Deleware, Ohio
Grimes Co., 2900 Main St., Dallas 1, Texas
Gronauer, M. H., Co., 11 Nettleton, Memphis 2, Tenn.
Gross Machinery Co., Inc., 179-191 Halbert St., Buffalo 14, N. Y.
Gulf Oil Corp.-Gulf Refining Co., 3800 Gulf Bldg., Pittsburgh 30, Pa.
Gummed Tape & Devices Co., 1318-20 60th St., Brooklyn 19, N. Y.
Gustin-Kramer Co., 74-80 Cummington St., Boston 15, Mass.
Guth, Edwin F., Co., 2615 Washington Ave., St. Louis 3, Mo.

H

H. & A. Sizing Co., 323 N. Loomis, Chicago 7, Ill.
Hachik Bleach Co., Wynnfield Ave., Philadelphia 31, Pa.
Haertel, Walter, Co., 2840 Fourth Ave., S., Minneapolis 8, Minn.
Hagan Corp., 323 Fourth Ave., Pittsburgh 22, Pa.
Hall, Amos H., & Sons, 5500 N. Water St., Philadelphia 20, Pa.
Hamilton Caster & Mfg. Co., 1637 Dixie Highway, Hamilton, Ohio
Hamilton Copper & Brass Works, 820 State Ave., Cincinnati 4, Ohio
Hammel-Dahl Co., 247 Richmond St., Providence 3, R. I.
Hammond Laundry-Cleaning Machinery Co., 220 S. 2nd St., P. O. Box 1160, Waco, Texas
Handy Button Machine Co., 2255 S. Rockwell St., Chicago 8, Ill.
Handy Specialties, 9159 W. Pico Blvd., Los Angeles 35, Cal.
Hanscom, H. F., & Co., 38 Hospital St., Providence 3, R. I.
Hapman-Dutton Co., 630 Gibson St., Kalamazoo 6, Mich.
Harris Bros. Mfg. Co., Inc., 20-22 Grotan Ave., Cortland, N. Y.
Harrison, Robert D., Inc., 566 E. Warren Ave., Detroit 2, Mich.
Hauser-Stander Tank Co., 4838 Spring Grove Ave., Cincinnati 32, Ohio
Haynes Stellite Co., Unit of Union Carbide & Carbon Corp., 30 E. 42nd St., New York 17, N. Y.
Hays Corp., 742 E. Eighth St., Michigan City, Ind.
Healy-Ruff Co., 2255 University Ave., St. Paul 4, Minn.
Heinemann Electric Co., Pennsylvania Ave. & Plum St., Trenton 2, N. J.
Helenizing, 2046 First Ave., New York, N. Y.
Heller, B., & Co., 3925 Calumet Ave., Chicago 15, Ill.
Hemingway & Bartlett Mfg. Co., 500 Fifth Ave., New York 35, N. Y.
Henrici, Fritz, Inc., Milton 87, Mass.
Henrici Laundry Machinery Co., 11 Henrici St., Mattapan Station, Boston 26, Mass.
Henry Hanger Co. of America, 450 Seventh Ave., New York 1, N. Y.
Heppting's, John, Suede & Leather Cleaning, 3469 W. Fourth Ave., Denver, Colo.
Hercules Laundry Machinery Co., Inc., 132-36 W. 124th St., New York 27, N. Y.
Hercules Powder Co., 952 King St., Wilmington, Del.
Herman Body Co., 4400 Clayton Ave., St. Louis 10, Mo.
Hettrick Mfg. Co., 1401 Summit St., Toledo 12, Ohio
High Chemical Co., Chemical Specialties Div., 1760 N. Howard St., Philadelphia 22, Pa.
Hild Floor Machine Co., 740 W. Washington Blvd., Chicago 6, Ill.
Hinz Needle Co., 10018 S. Rhodes Ave., Chicago 26, Ill.
hi-Tone Soap Co., Randolph, Neb.
Hodge, Farwell & Co., Peoria, Ill.
Hodges Jack, Specialty Co., 1529 Westheimer Rd., Houston 6, Texas
Hoffman, U. S. Machinery Corp., 105 Fourth Ave., New York 3, N. Y.
Hollingsworth & Vose Co., 112 Washington St., East Walpole, Mass.
Holt Mfg. Co., 651-81 20th St., Oakland 12, Cal.
Hood Chemical Co., Inc., 80 Rittenhouse Pl., Ardmore, Pa.
Hoof Products Co., 6543 S. Laramie Ave., Chicago 38, Ill.
Hooker Electrochemical Co., Niagara Falls, N. Y.
Hooper, Wm. E., & Sons, Woodberry, Baltimore, Md.
Hope Chemical Corp., 545 Mineral Springs Ave., Pawtucket, R. I.
Hope Webbing Co., Providence 1, R. I.
Hopkins Equipment Co., 68 Maple Ave., Hatfield, Pa.
Horn, A. C., Co., Inc., 10th St. & 44th Ave., Long Island City 1, N. Y.
Horwath Laundry Machine Mfg. Co., 1002 S. 13th St., Omaha, Neb.
House of Plastics Div. Neon Sign Co., Inc., N. 14th at Taylor, Herrin, Ill.
Howe Scale Co., Rutland, Vt.
Hoyt Mfg. Corp., Forge Rd., Westport, Mass.
Hub Printing Services, 320 N. Euclid Ave., Oak Park, Ill.
Hubinger Co., 601 Main St., Keokuk, Iowa
Hudson Fur Cleaning Co., 106 Cranston St., Providence, R. I.
Huebsch Mfg. Co., 3775 N. Holton St., Milwaukee 1, Wisc.
Hughes Co., 10 East 39th St., New York 16, N. Y.
Hungerford & Terry, Inc., 226 Atlantic Ave., Clayton, N. J.
Huntington Laboratories, Inc., 900-970 E. Tipton St., Huntington, Ind.
Huron Milling Co., 3101 N. Woodward, P. O. Box 9, Royal Oak, Mich.
Hydraxtor Co., Div. Zephyr Laundry Machinery Co., 3500-12 Touhy St., Chicago 45, Ill.
Hygrade Button & Supply Co., 19 W. 34th St., New York 1, N. Y.

I

Ideal Cleaners, 226 E. Pike's Peak Ave., Colorado Springs, Colo.
Ideal Industries, Inc., Park Ave., Sycamore, Ill.
Ideal Lighting Co., 2219 63rd St., Kenosha, Wisc.
Ideal Stencil Machine Co., 102 Iowa Ave., Belleville, Ill.
Identification, Inc., 1736 S. Michigan Ave., Chicago 16, Ill.
Ilg Electric Ventilating Co., 2850 N. Crawford Ave., Chicago 41, Ill.
Illinois Laundry Machinery Mfg. Co., 3128 W. Lake St., Chicago, Ill.
Imperial Dye House, 3421 Tulane Ave., New Orleans 19, La.
Imperial Laundry Machinery Co., 245 Huron St., Brooklyn 22, N. Y.
Indiana Dye House, 122-126 State St., Hammond, Ind.
Indiana Mfg. Co., 1900 E. Main St., New Albany, Ind.
Industrial Equipment Co., 361 N. Ada St., Chicago 1, Ill.
Industrial Grain Products, Ltd., 741 Talbot St., London, Ont., Can.
Industrial Products Co., 2654 N. Fourth St., Philadelphia 33, Pa.
Infilco, Inc., P. O. Box 5033, Tuscon, Ariz.
Ingersoll-Rand Co., 11 Broadway, New York 4, N. Y.
Ink-O Products Co., 5101 Monte Vista St., Los Angeles 42, Cal.
Innis, Speiden & Co., 117 Liberty St., New York 6, N. Y.
Intercontinental Mfg. Co., Inc., P. O. Box 578, Garland, Texas
International Boiler Works Co., 500 Birch St., East Stroudsburgh, Pa.
International Engineering, Inc., 1145 Bolander Ave., Dayton 1, Ohio
International Harvester Co., 180 N. Michigan Ave., Chicago, Ill.
International Metal Polish Co., 1910 Quill St., Indianapolis 7, Ind.
International Nickel Co., Inc., 67 Wall St., New York 5, N. Y.

International Paper Co., Southern Kraft Div., 220 E. 42nd St., New York 17, N. Y.
International Salt Co., Scranton 2, Pa.
International Steel Wool Corp., 2205 Park Rd., Springfield, Ohio
International Tag & Salesbook Co., 3450 W. Division St., Chicago 51, Ill.
International Ticket Co., 50 Grafton Ave., Newark 4, N. J.
International Wire Hanger Mfg. Co., 2128 W. Lake St., Chicago 12, Ill.
Invincible Vacuum Cleaner Mfg. Co., *14th & Davis Sts., Dover, Ohio*
Inweaving Co. of America, 1505 11th St., Wichita Falls, Texas
Iowa Soap Co., 816 Valley St., Burlington, Iowa
Iron Fireman Mfg. Co., 3170 W. 106th St., Cleveland 11, Ohio
Iselin-Jefferson Co., Inc., 90 Worth St., New York 13, N. Y.

J

Jacobson, Lawrence, Dye Works, Inc., Oxford Ave., Summerdale & Comly Sts., Philadelphia 24, Pa.
Jackson, Samuel Mfg. Co., *2518 Erskine St., P. O. Box 5007, Lubbock, Texas*
Jay-Dee, Inc., Mfg. Chemists, 946 Kenmore Blvd., Akron 14, Ohio
Jayson's, Div. Jayson Silk Mills, 2144 N. 57th St., Phila., Pa.
Jefferson Island Salt Co., Inc., Jefferson Island Bldg., 136 St. Matthews Ave., Louisville 7, Ky.
Jensen Mfg. Co., Broad St., & Hylton Rd., Palmyra, N. J.
Johns-Manville, *22 E. 40th St., New York 16, N. Y.*
Johnson Chemical Industries, Inc., 99 Mellor Ave., Baltimore 28, Md.
Johnson Corp., *855 Wood St., Three Rivers, Mich.*
Johnson Metal Hose, Inc., *10 Sperry, Waterbury 20, Conn.*
Johnson, S. C., & Son, Inc., Racine, Wisc.
Johnson, W. F., Products Co., 309 Joliet Ave., San Antonio 9, Texas
Johnson Bros., Inc., *100 Pine St., Ferrysburgh 1, Mich.*
Johnson & Jennings Co., Div. Pettibone-Mulliken Corp., 6917 Bessemer Ave., Cleveland 27, Ohio
Jomac Inc., 6128 N. Woodstock St., Philadelphia 38, Pa.
Juno Cleaner Supplies, Inc., 632 Wythe Ave., Brooklyn 11, N. Y.

K

K & K, Inc., 16 Sutton St., Lawrence, Mass.
Kandu Chemicals, Inc., 312-7th Ave., New York 1, N. Y.
Kato Engineering Co., 1415 First Ave., Mankato, Minn.
Kaycrest Products, 1426 W. 3rd St., Cleveland 13, Ohio
Kaye & MacDonald, Inc., 11-15 Central Ave., West Orange, N. J.
Keckly, O. C., Co., 400 W. Madison St., Chicago 6, Ill.
Keeler, E., Co., 238 West St., Williamsport 3, Pa.
Keever Starch Co., 538 E. Town St., Columbus 15, Ohio
Kee Zipper Corp., 541 W. 34th St., New York 1, N. Y.
Kelley Co., The, 801 W. First St., Charlotte, N. C.
Kelmaker Mfg. Co., 311 Sixth Ave., Rochelle, Ill.
Kelvinator Div., Nash-Kelvinator Corp., 14250 Plymouth Rd., Detroit, Mich.
Kenco Chemical Co., Inc., P. O. Box 912, Schenectady, N. Y.
Kenite Corp., Harwood Bldg., Scarsdale, N. Y.
Kennedy Car Liner & Bag Co., Inc., Hodell & Prospect Sts., Shelbyville, Ind.
Kennedy Products Co., 4315 Schenck Ave., P. O. Box 2, Cincinnati 36, Ohio
Kenney Softener & Filter Co., 3322-24 Montrose Ave., Chicago 45, Ill.
Kent Co., Inc., 244 Canal St., Rome, N. Y.
Kentucky Box & Truck Co., Fourth & Alvasia Sts., (P. O. Box 463), Henderson, Ky.
Kewanee Boiler Corp., Franklin St. & Q Tracks, Kewanee, Ill.
Kewanee-Ross Corp., Ross Heater Div., 1407 West Ave., Buffalo 13, N. Y.
Keyes-Davis Co., 77 14th St., Battle Creek, Mich.
Keystone Aniline & Chemical Co., 321 N. Loomis St. (1400 W), Chicago 7, Ill.
Keystone Chemical Co., 2019 Center St., N. W., Cleveland 13, Ohio
Keystone Coat & Apron Mfg. Corp. & Keystone Scent Conditioner Corp., 315 N. 12th St., Philadelphia 7, Pa.
Keystone Laundry Machinery Co., 411 N. Paulina, Chicago 22, Ill.
Keystone Tag Co., West Chester, Pa.
Key-Tag Checking System Co., 6509 Hough Ave., Cleveland 3, Ohio
Kidde, Walter, & Co., Inc., 675 Main St., Belleville 9, N. J.
Kirk & Blum Mfg. Co., 3120 Forrer St., (Oakley), Cincinnati 9, Ohio
Kirk's Suede & Leather Cleaners, 7320 Melrose Ave., Los Angeles 46, Calif.
Kisco Boiler & Engineering Co., *2414 De Kalb St., St. Louis 4, Mo.*
Kleanmore Laboratories, Inc., 1926 N. Franklin Ave., Flint, Mich.
Kleen Hamper, Inc., Greenville, Ill.
Kleentest Laboratories, 940-950 Ohio River Blvd., Pittsburgh 2, Pa.
Kletnick, L., & Co., 8342 S. Praire Ave., Chicago 19, Ill.
Kliegman Bros., Inc., 76-01 77th Ave., Glendale, Brooklyn 27, N. Y.
Kling "100" Corp., 2842 N. Birch, Franklin Park, Ill.
Klipfel Mfg. Co., 1000 Weller Ave., Hamilton, Ohio
Knight, Maurice A., *Settlement, Akron 6, Ohio*
Knitted Padding Co., 105 Chapman St., Canton, Mass.
Kohnstamm, H., & Co., Inc., 83-93 Park Pl., New York 7, N. Y.
Kol Master Corp., *P. O. Box 111, Oregon 1, Ill.*
Kordite Corp., Main St., Macedon, N. Y.
Kran-Mer Corp., 2433-35 N. Third St., Milwaukee 12, Wisc.
Krasan Products, Inc., *1230 Edward St., P. O. Box 1166, Richmond 1, Cal.*
Kresky Mfg. Co., Inc., 307 Third St., Petaluma, Cal.
Krevit, H., & Co., Inc., 11 Albert St., New Haven 11, Conn.
Kunkle Valve Co., *119 S. Clinton St., Fort Wayne 2, Ind.*
Kwik-Kover Sales Co., 410 N. Kedzie Ave., Chicago 12, Ill.

L

Labor Miser Co., *109 S. Third St., Ponca City, Okla.*
Laclede Stoker Co., 4438 Hunt Ave., St. Louis 10, Mo.
La France Dye House, *946 Shehy St., Youngstown 6, Ohio*
Laidlaw, W. A., Wire Co., Peoria, Ill.
Lakewood Mfg. Co., 25039 Center Ridge Rd., Westlake, Ohio
Lally, R., Co., 1729 Greenleaf Ave., Chicago 26, Ill.
Lambooy Label & Wrapper Co., 2129 Portage St., Kalamazoo 29F, Mich.
Lamson Corp., Lamson St., Syracuse 1, N. Y.
Lane, W. T., & Bros., Inc., Prospect, Poughkeepsie, N. Y.
Lanning Bag & Specialty Co., 205 Front St., Harvard, Ill.
Lano Lustre Suede & Leather Co., 1731 Fulton, Chicago 12, Ill.
Larick Mfg. Co., 287 Broadway, New York, N. Y.
Larton Products Co., Inc., 4234 Third Ave., New York 57, N. Y.
Lathem Time Recorder Co., 76 Third St., N. W., Atlanta 8, Ga.
Lattner, P. M., Mfg. Co., P. O. Box 1710, Cedar Rapids, Iowa
Laundry Chemicals Co., 4538 W. 130th St., Cleveland 11, Ohio
Laundry Machinery Div., Jefferson Wood Working Co., 14th & Hill Sts., Louisville, Ky.
Laundry Specialties Co., 600 Reading Rd., Cincinnati 2, Ohio
Layne & Bowler, Inc., Box 6697, Hollywood Station, Memphis 8, Tenn.
Le Ann Furs, 334 Collinsville Ave., East St. Louis, Ill.
Leathers', L. M. Sons, Paper Products Div., 675 Pulaski St., Athens, Ga.
Leebaw Mfg. Co., 65 Wayne Ave., Youngstown 2, Ohio
Lee Converters, Inc., 28 W. 23rd St., New York 10, N. Y.
Leef Bros., Inc., 205 Irving Ave., N. Minneapolis 5, Minn.
Leffel, James, & Co., 426 East St., Springfield 99, Ohio
Leprechaun, Inc., 475 Fifth Ave., New York 17, N. Y.
Le Roi Co., Compressor Div., Sub Westinghouse Air Brake Co., 3716 W. Wisconsin, Milwaukee, Wisc.
Leslie Co., 297 Grant Ave., Lyndhurst, N. J.
Lever Bros. Co., 390 Park Ave., New York, N. Y.
Lewis, G. B., Co., 926 Montgomery St., Watertown, Wisc.
Lewis Invisible Stitch Machine Co., 129 W. 22nd St., New York, N. Y.
Lewis National Corp., 1 Mt. Vernon St., Dorchester 25, Mass.
Lewis-Shepard Products, Inc., 307 Walnut St., Watertown 72, Mass.
Liberty Marking Tag Co., Inc., *27 Hooper St., Brooklyn 11, N. Y.*
Lieberman, B & G., Co., 94-14 37th Ave., New York, N. Y.
Lincoln Bag Co., Inc., 4200 W. Schubert Ave., (2700 N), Chicago 39, Ill.
Lincoln-Hudson Rug Dyers, Inc., 900 Passaic Ave., East Newark, N. J.
Lincoln Research, Inc., 3250 Montrose St., Toledo 6, Ohio
Lincoln Rug Co., Inc., *85 Springdale Ave., Newark, N. J.*
Lincoln-Schluetter Floor Machinery Co., Inc., 512 S. Peoria St., Chicago, Ill.
Linen Suppliers Advertising Corp., 175 Fifth Ave., New York 10, N. Y.
Link-Belt Co., 307 N. Michigan Ave., Chicago 1, Ill.
Linn Coach & Truck Div., Great American Industries, Inc., 443 Chestnut St., Oneonta, N. Y.
Lion Uniform Co., 209 S. Jefferson, Dayton 2, Ohio
Little Frenchman's Dye Works, 921 N. 25th St., Waco, Texas
Livingstone Engineering Co., 100 Grove St., Worcester 5, Mass.
Loebl Dye Works, Inc., Roanoke, Va.
Lookout Boiler & Mfg. Co., Manufacturers Rd., Chattanoga 1, Tenn.
Loroco Industries, Inc., 203 E. Benson St., Reading 15, Ohio
Los Angeles Soap Co., 617 E. First St., Los Angeles, Cal.
Louden Machinery Co., 1402 Broadway, Fairfield, Iowa
Loyal Textile Machinery Corp., *280 Scholes St., Brooklyn, N. Y.*
Lubbock Machine Co., Inc., Box 1138, Lubbock, Texas
Lucas, Claude E., Associates, 880 E. Colorado, Pasadena, Cal.
Lucas Products Corp., 3839 Seiss Ave., Toledo 12, Ohio
Ludell Mfg. Co., 5200 W. State St., Milwaukee 8, Wisc.
Luetzow Bag-It Machine Div., National Paper Band Co., *P. O. Box 126, Denver, Colo.*
Lunkenheimer Co., P. O. Box 360, HH, Cincinnati 14, Ohio
Luse, Wm. K. & Co., Lakeview, Ohio
Lustrol Drycleaning Products Co., *1600-16th St.*, San Francisco 1, Cal.
Lynch, John P., Co., 1401 16th St., San Francisco, Cal.

Mc

McBee Co., 295 Madison Ave., New York, N. Y.
McCleary Brothers, Inc., 147 Auction St., Memphis, Tenn.
McDonnell & Miller, Inc., 3500 N. Spaulding Ave., Chicago 18, Ill.
McElmoyl, W. J., Co., 63 Church St., Groveville, N. J.
McLay, Walter J., 1105 N. Water St., Milwaukee 2, Wisc.

M

M & B Metal Products Co., 4415 Morris Ave., Birmingham, Ala.
M-H Standard Co., 518 Communipaw Ave., Jersey City 4, N. J.
M & M Chemical Co., 1559 W. Main St., Willimantic, Conn.
Maas, A. R., Chemical Co., Div. Victor Chemical Works, 4570 Ardine St., South Gate, Cal.
MacDonald Services, 8519 Germantown Ave., Philadelphia 18, Pa.
Mack Trucks, Inc., 350 Fifth Ave., New York 1, N. Y.
Madison Products Co., 105 16th St., Toledo 2, Ohio
Magic Plastic Co., Ltd., 310 W. 93rd St., New York, N. Y.
Magic Re-Weaving Service, 28 W. Second St., Salt Lake City, Utah
Magic-Seal Paper Products, 883 E. Hudson, Columbus 11, Ohio
Magic Textile Weavers, 948 W. McNichols Rd., Detroit 3, Mich.
Magline, Inc., Penconning, Mich.
Majestic Paper & Twine Co., Inc., (Laundry & Drycleaning Supply Div.), 155 Imlay St., Brooklyn 31, N. Y.
Malleable Iron Fittings Co., Branford, Conn.
Mallinckrodt Chemical Works, Second & Mallinckrodt Sts., St. Louis 7, Mo.

Manitowoc Cotton Goods Mfg. Co., 909 York St., Manitowoc, Wisc.
Manitowoc Engineering Corp., South 16th St., Manitowoc, Wisc.
Marclene Chemical Corp., 225 Warwick St., Buffalo 15, N. Y.
Marion Machine Foundry & Supply Corp., 90 West St., New York, N. Y.
Market Forge Co., 25 Garvey St., Everett 49, Mass.
Market Industries, Inc., 1900-16th St., San Francisco 1, Cal.
Mark-O Corp., 17 W. 60th St., New York 23, N. Y.
Mark-Tex Corp., 453 W. 17th St., New York 11, N. Y.
Marlow Pumps, Div. Bell & Gossett Co., Box 200, Midland Park, N. J.
Maryln Chemical Co., Inc., P. O. Box 407, Lakeview, Ohio
Mar-Mak Machinery Mfg. Co., 626 N. Logan Ave., Danville, Ill.
Marmon-Herrington Co., Inc., 1511 W. Washington St., Indianapolis 7, Ind.
Marsh, Jas. P., Corp., 2073 Southport Ave., Chicago 14, Ill.
Marshall Co., 4350 N. Pulaski Rd., Chicago 41, Ill.
Marshall Heater Co., 716-26 E. Monument Ave., Dayton 2, Ohio
Martens Chemical Corp., 243 Clinton Ave., Kingston, N. Y.
Martin Equipment Co., Div. American Laundry Machinery Co., 5000 Section Ave., Cincinnati 12, Ohio
Martin Fan & Blower Co., 4632 W. 21st Pl., Chicago 50, Ill.
Martin, Reba, Inc., 4201 N. W. Second Ave., Miami 37, Fla.
Marvella Corp., 2019 Center St., N. W., Cleveland 13, Ohio
Mason-Neilan Regulator Co., 1190 Adams St., Boston 24, Mass.
Master Builders Co., 7016 Euclid Ave., Cleveland 3, Ohio
Master-Bilt Refrigeration Mfg. Co., 920 Palm St., St. Louis 7, Mo.
Master, Geo., Div., Ligonier, Ind.
Master Machinery Co., Anderson, Ind.
Master Mfg. Corp., 119 Main St., Sioux City, Iowa
Master Mfg. & Equipment Co., 3000 St. Louis, Fort Worth 1, Texas
Master Products Co., 7000 S. Wentworth Ave., Chicago 21, Ill.
Maxant Button & Supply Co., 117 S. Morgan St., Chicago 7, Ill.
Mead, George E., Co., 11240 S. Arroyo Dr., Whittier, Cal.
Mears-Kane-Ofeldt, Inc., P. O. Box 223, Bridgeport, Pa.
Medalie Mfg. Co., 213 First Ave., N., Minneapolis 1, Minn.
Meese, Inc., 108 St. Michaels Ave., Madison, Ind.
Mechanical Handling Systems Inc., 4600 Nancy Ave., Detroit 12, Mich.
Mehl Mfg. Co., 2057 Reading Rd., Cincinnati 2, Ohio
Memphis Hanger Co., 14th & P. & L. E. R. R., Monaca, Pa.
Menasha Wood Split Pulley Co., 674 Tayco St., Menasha, Wisc.
Mendex Corp., 2300 Payne Ave., Cleveland 14, Ohio
Mercury Cleaning Systems, Inc., 1817 Benson Ave., Evanston, Ill.
Merson Products Co., 63 Essex St., Jersey City 2, N. J.
Metalweld, Inc., 24th & Hunting Park Aves., Philadelphia 29, Pa.
Metropolitan Body Co., 151 Kossuth St., Bridgeport 8, Conn.
Mexico Refractories Co., Love & Cole Sts., Mexico, Mo.
Meyercord Co., 5323 W. Lake St., Chicago 44, Ill.
Midland Color & Chemical Co., 15 Greene St., Jersey City 2, N. J.
Midland Paint & Varnish Co., 3828 E. 91st St., Cleveland 5, Ohio
Midwest Hanger Co., 2100 Guinotte Ave., Kansas City 20, Mo.
Midwest Laundry & Cleaning Machinery Co., 1341-45 W. Main, Oklahoma City, Okla.
Miller Laundry Machinery Co., 8341 Lyndon Ave., Detroit 21, Mich.
Milwaukee Leather Belting Co., 1114 N. Water St., Milwaukee 2, Wisc.
Milwaukee Printed String Co., 2604 W. Fond du Lac Ave., Milwaukee 6, Wisc.
Mine Safety Appliances Co., 201 N. Braddock Ave., Pittsburgh 8, Pa.
Minneapolis-Honeywell Regulator Co., 2753 Fourth Ave., S., Minneapolis, Minn.
Minnesota Chemical Co., 2285 Hampden Ave., St. Paul 4, Minn.
Mitchell, J. B., Co., 4916-28 W. Jefferson Blvd., Los Angeles 18, Cal.
Modine Mfg. Co., 1557 De Koven Ave., Racine, Wisc.
Mohawk Rubber Co., 1235 Second Ave., Akron 5, Ohio
Monarch Engineering Co., 500 Linden Ave., Dayton 3, Ohio
Monarch Laundry Machinery Corp., P. O. Box 620, Ft. Lauderdale, Fla.
Monite Co., Inc., 4510 Hampton St., St. Louis, Mo.
Monix Co., 277 Greenbay Rd., Wilmette, Ill.
Monroe Calculating Machine Co., Inc., 555 Mitchell St., Orange, N. J.
Monroe Co., Inc., 10703 Quebec Ave., Cleveland 6, Ohio
Montpelier Mfg. Co., Montpelier, Ohio
Moore Business Forms, Inc., 900 Buffalo Ave., Niagara Falls, N. Y.
Moore Co., 800 S. Missouri Ave., Marceline, Mo.
Moore's Time-Saving Equipment, Inc., 1934 S. Sterling Ave., Elkhart, Ind.
Morehead Mfg. Co., 2455 W. Warren Ave., Detroit 8, Mich.
Morheat Corp., 700 E. Kalamazoo St., Lansing 12, Mich.
Morse Display Cases, 627 11th St., Wilmette, Ill.
Morse Mfg. Co., Inc., 122 Dickerson St., Syracuse 2, N. Y.
Moser Bag & Paper Co., 3049 E. 55th St., Cleveland 27, Ohio
Mount Vernon Mills, Inc., 40 Worth St., New York, N. Y.
Mulholland-Harper Co., 5820 Tacony St., Philadelphia 24, Pa.
Multi-Clean Products, Inc., 2277 Ford Parkway, St. Paul 1, Minn.
Multi-Counter Mfg. Co., 401 Broadway, New York 13, N. Y.
Mund Boilers, Inc., 1600 N. Indiana St., Los Angeles 33, Cal.
Murray, D. J., Mfg. Co., 1002-24 Third St., Wausau, Wisc.
Mutual Paper Box Co., Inc., 510 W. 27th St., New York 1, N. Y.
Myer, Henry, Thread Mfg. Co., 319 W. Van-Buren St., Chicago 7, Ill.

N

Nagel Coat Hanger Co., 1200-18 Oliver St., Houston 7, Texas
Namco Chemical Corp., 4765 Bellevue Ave., Detroit 7, Mich.
Nashua Corp., Sure-Hold Div., 44 Franklin St., Nashua, N. H.
Nashua Textile Co., Empire State Bldg., New York 1, N. Y.
National Airol Burner Co., Inc., 1284 E. Sedgley Ave., Philadelphia 34, Pa.
National Aluminate Corp., 6216 W. 66th St., Chicago 38, Ill.
National Aniline Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
National Boiler Protector Co., 928 Reibold Bldg., Dayton 2, Ohio
National Bundle Tyer Co., Dept. 10, Blissfield, Mich.
National Cash Register Co., Main & K Sts., Dayton 9, Ohio
National Chemical Sales Co., Inc., 414-16-18 Sixth St., N.W., Atlanta, Ga.
National Cleaners Chemical Mfg. Co., 2809 W. Lake St., Chicago 12, Ill.
National Combustion Co., 101-06 43rd Ave., Corona 68, N. Y.
National Dryer Mfg. Co., 2500 60th St., Kenosha, Wisc.
National Dye House, 5812 W. Washington Blvd., Culver City, Cal.
National Dye Works, Inc., 3513 Washington Blvd., Baltimore 22, Md.
National Hatters Supplies Co., 81 W. Van Buren St., Chicago 5, Ill.
National Indemnity Exchange, 3820 Washington Blvd., St. Louis 8, Mo.
National Institute of Drycleaning, Silver Spring, Md.
National Life Insurance Co., Montpelier, Vt.
National Marking Machine Co., 4026 Cherry St., Cincinnati 23, Ohio
National Paper Band Co., P. O. Drawer 126, Denver, Colo.
National Paper & Type Co., 120 Wall St., New York 5, N. Y.
National Pneumatic Co., Inc., 125 Amory St., Boston 19, Mass.
National Repair Services, 615 E. Main St., Richmond 19, Va.
National Starch Products, Inc., 270 Madison Ave., New York 17, N. Y.
National Steam Pump Co., 701 W. Johnson, Upper Sandusky, Ohio
National System of Garage Ventilation, Inc., National Ventilating Systems Div., 140 W. William St., Decatur, Ill.
National Textile Chemical Co., 1984 E. 83rd St., Cleveland, Ohio
National Textile Conservation Div., Research Laboratories, Sherron Acres, Durham, N. C.
National Truck Leasing System, 23 E. Jackson Blvd., Chicago 4, Ill.
Necchi Sewing Machine Sales Corp., 164 W. 25th St., New York 1, N. Y.
Nelsonating, 22 Pearl St., Utica 2, N. Y.
Neon Sign Co., Inc., House of Plastics Div., N. 14th at Tayor, Herrin, Ill.
Neva-Clog Products, Inc., 506 Logan St., Bridgeport 1, Conn.
New Departure, Div. General Motors Corp., Bristol, Conn.
New England Business Service, Riverbank Terrace, Townsend, Mass.
New England Trawler Equipment Co., 301 Eastern Ave., Chelsea 50, Mass.
Newhouse Specialty Co., Inc., 3827 San Fernando Rd., P. O. Box 1289, Glendale 4, Cal.
New South Mfg. Co., Inc., 711 Bankhead Ave., N. W., Atlanta, Ga.
New York Belting & Packing Co., 1 Market St., Passaic, N. J.
New York High Grade Button Works, 3569 Broadway, New York 31, N. Y.
New York Pressing Machinery Corp., 880 Broadway, New York 3, N. Y.
New York Telecoin Corp., 12 E. 44th St., New York 17, N. Y.
New York Twine Corp., 110 Murray St., New York, N. Y.
Nice Ball Bearing Co., 30th St. & Hunting Park Ave., Philadelphia 40, Pa.
Nicholson, W. H., & Co., 12 Oregon St., Wilkes-Barre 1, Pa.
Nicholson, Wm. J., Laboratories, 2971 W. Davidson, Detroit, Mich.
Nissen, John P., Jr., Co., Glenside, Pa.
No-Darn Co., 618 N. Wells St., Chicago 10, Ill.
Nopco Chemical Co., Inc., First & Essex Sts., Harrison, N. J.
Norman Control Co., 5454 W. Higgins Ave., Chicago 30, Ill.
North American Dye Corp., 22 North St., Danbury, Conn.
North American Electric Lamp Co., 1090 Tyler St., St. Louis 6, Mo.
North American Mfg. Co., 4533 E. 71st St., Cleveland, Ohio
North Coast Chemical & Soap Works, 6307-21 17th Ave., S., Seattle 8, Wash.
Norton & Williams, Inc., 608 North Ave., Westfield, N. J.
Nuodex Products Co., Inc., 830 Magnolia Ave., Elizabeth, N. J.
Nu-Pro Mfg. Co., 2918 Washington Ave., St. Louis 3, Mo.
Nutting Truck & Caster Co., 1125 W. Davision St., Fairbault, Minn.
Nycco Products Co., 110 W. 29th St., New York 1, N. Y.
Nylonet Corp., 2075 N. W. 75th St., Miami 47, Fla.

O

Oakite Products, Inc., 22B Thames St., New York 6, N. Y.
Oakville Co., Div. Scovill Mfg. Co., 26 Main St., Oakville, Conn.
Odor Instruments, Inc., 220 E. 42nd St., New York 17, N. Y.
Ohio Centrifugals Co., 342 S. Monument Ave., Hamilton, Ohio
Ohio Injector Co., 175 Laundry St., Wadsworth, Ohio
Ohio Mechanics Institute, Central Parkway & Walnut St., Cincinnati 10, Ohio
Ohmer Register Co., 740 Bolander Ave., Dayton, Ohio
Oil-Rite Corp., 2318 Waldo Blvd., Manitowoc, Wisc.
Oil States Petroleum Co., Inc., 233 Broadway, New York, N. Y.
Old Dominion Iron & Steel Corp., P. O. Box 466, Bell Isle, Richmond 3, Va.
Olin Cellophane Div., Ecusto Paper Corp., 655 Madison Ave., New York 21, N. Y.
Olin Mathieson Chemical Corp., Baltimore 3, Md.
OlsenMark Corp., 124 White St., New York 13, N. Y.
Olson, J. B. E., Corp., 1740 Broadway, New York 19, N. Y.
Olson Filtration Engineers, Div., American Laundry Machinery Co., 5024 Section Rd., Cincinnati 12, Ohio
Olson Industries, Inc., Adams, Wisc.
Omaha Dye Works, 24th & Poppleton, Omaha, Nebr.
Ontario Iron Works, 32 Park St., Pulaski, N. Y.
Orr Felt & Blanket Co., Piqua, Ohio
Orr & Sembower, Inc., Morgantown Rd., Reading, Pa.
Osborn Bros., 223 W. Jackson Blvd., Chicago 6, Ill.
Oshkosh Filter & Softener Co., 51 Ceape St., Oshkosh, Wisc.
Outside Venetian Blind Co., 2625 Elm St., Dallas 1, Texas
Owens-Corning Fiberglas Corp., 16 E. 56th St., New York 22, N. Y.

P

P & H Industries, Inc., 911 St. Joseph St., Dallas 10, Texas
Paasche Airbrush Co., 1909 W. Diversey Parkway, Chicago 14, Ill.

Pabst Brewing Co., Industrial Products Div., Merchandise Mart, Chicago 54, Ill.
Pacific Car & Foundry Co., Renton, Wash.
Pacific Coast Borax Co., 100 Park Ave., New York 17, N. Y.
Pacific Coat Hanger Mfg. Co., 6710 Avalon Blvd., Los Angeles 3, Cal.
Package Chemical Co., Inc., 218 W. First St., Boston 27, Mass.
Package Masters, 2525 S. Wabash Ave., Chicago 16, Ill.
Packless Metal Hose Inc., 31 Winthrop Ave., New Rochelle, N. Y.
Padcraft Corp., 480 W. Front St., Red Bank, N. J.
Pagoda Industries, Inc., 9th St. at Oley, Reading, Pa.
Paisley Products, Inc., 1770 Canalport Ave., Chicago 16, Ill.
Pak-Rite Flexible Packaging Co., 135 W. 20th St., New York 11, N. Y.
Pantex Mfg. Corp., P. O. Box 660, Pawtucket, R. I.
Pantorium Cleaners, Inc., 3030 Salem Ave., Dayton, Ohio
Paper Chemicals, Inc., 510 W. 27th St., New York 1, N. Y.
Para-Lux Products Co., 4158 W. Schubert Ave., Chicago 39, Ill.
Parisian Novelty Co., 3510 S. Western Ave., Chicago 9, Ill.
Park & Tilford, 485 Fifth Ave., New York 17, N. Y.
Parker, Sid E., Boiler Mfg. Co., Inc., 2035 E. 37th St., Los Angeles 11, Cal.
Park'N Clean, Inc., Woodner Bldg., 3636 16th St., N.W., Washington, D. C.
Patek & Co., 1900 16th St., San Francisco 1, Cal.
Patterson-Kelley Co., Inc., 46 Warren St., East Stroudsburg, Pa.
Patterson Laboratories, Inc., 11930 Pleasant Ave., Detroit 25, Mich.
Payson Mfg. Co., 2916 W. Jackson Blvd., Chicago 12, Ill.
Peabody Engineering Corp., 580 Fifth Ave., New York, N. Y.
Pecora Paint Co., Lawrence St. & Sedgley Ave., Philadelphia 40, Pa.
Peerless Pump Div., Food Machinery & Chemical Corp., 301 West Ave., 26, Los Angeles 31, Cal.
Pellerin Milnor Corp., 8000 Edinburgh St., New Orleans 18, La.
Penick & Ford, Ltd., Inc., 420 Lexington Ave., New York 17, N. Y.
Pennington Co., Riverside Ave., Gillette, N. J.
Pennsylvania Refining Co., Butler Savings & Trust Building, Butler, Pa.
Pennsylvania Rubber Co., Penn-Craft Park, Jeannette, Pa.
Pennsylvania Salt Mfg. Co., Three Penn Center Plaza, Philadelphia 2, Pa.
Per Corp., 150 Pine St., Montclair, N. J.
Perelmutter, M., & Co., 4423-25 Broadway, Chicago 40, Ill.
Perfecting Service Co., 332 Atando Ave., Charlotte 6, N. C.
Perfection Marking Machine Co., 441 Detroit St., Denver 6, Colo.
Perfex Corp., 500 W. Oklahoma Ave., Milwaukee 11, Wisc.
Permafiber Corp., 450 Seventh Ave., New York 1, N. Y.
Perma Products Co., P. O. Box 25, Linwood Station, Detroit 6, Mich.
Per-Mo Products Co., 1715 E. 36th St., Kansas City 3, Mo.
Permutit Co., 330 W. 42nd St., New York 18, N. Y.
Perry Co., P. O. Box 2057, 110 Overpass Dr., Waco, Texas
Pfaff Sewing Machine Sales Co., 820 Greenwich St., New York 14, N. Y.
Philadelphia Belting Co., Sixth & Spring Garden Sts., Philadelphia 23, Pa.
Philadelphia Quartz Co., 1146 Public Ledger Bldg., Philadelphia 6, Pa.
Philco Corp., Storage Battery Div., 467 Calhoun St., Trenton 7, N. J.
Phillips & Phillips Corp., 160 Henry St., Brooklyn, N. Y.
Phoenix Products Co., 4715 N. 27th St., Milwaukee 9, Wisc.
Photoswitch, Inc., 77 Broadway, Cambridge 42, Mass.
Piazza Engineering Co., 4317 W. Irving Park Rd., Chicago 41, Ill.
Pick Mfg. Co., 255 S. Main St., West Bend, Wisc.
Piece Control Tag Co., 3160 N. Broadway, Chicago 14, Ill.
Pinnacle Products Corp., 56 Grand St., White Plains, N. Y.
Piolet Button & Novelty Corp., 2537 Amsterdam Ave., New York 33, N. Y.
Pittsburgh Hanger Co., 14th & P. & L. E. R. R., Monaca, Pa.
Pittsburgh Plate Glass Co., Paint Div., 632 Duquesne Way, Pittsburgh, Pa.
Pittsburgh Tag Co., 1112 Galveston Ave., Pittsburgh 33, Pa.
Pittsburgh Waterproof Co., 2537 Penn Ave., Pittsburgh 22, Pa.
Plas-Ties Co., 624 Poinsettia, Santa Ana, Cal.
Plibrico Co., 1800 Kingsbury St., Chicago 14, Ill.
Pneumatic Engineering & Sales, 1010 Des Moines Bldg., Des Moines, Iowa
Pocock, M. A., 1234 Central Ave., N. E., Minneapolis 13, Minn.
Popkins Fixture Co., 3722 Forest Park Blvd., St. Louis 8, Mo.
Porto-Fab Co., Inc., 9215 Weiss St., Dallas 9, Texas
Powder Dispenser Co., Palestine, Texas
Powers Regulator Co., 2810 Greenview Ave., Chicago 14, Ill.
Pre-Marked Strip Tag Co., 3232 India St., P. O. Box 2430 San Diego 1, Calif.
Pres-Grip Corp., 3108 Main St., Buffalo 14, N. Y.
Premium Service Co., 115 W. 19th St., New York, N. Y.
Procter & Gamble Distributing Co., P. O. Box 599, Cincinnati 1, Ohio
Proctor & Swartz, Inc., Seventh St. & Tabor Rd., Philadelphia 20, Pa.
Proportioneers, Inc., P. O. Box 1442, Providence, R. I.
Prosperity Co., Inc., 125 Marcellus St., Syracuse 1, N. Y.
Prym, William, Inc., Dayville, Conn.
Pure Oil Co., 35 E. Wacker Dr., Chicago 1, Ill.
Purkett Mfg. Co., 325 E. Third St., Joplin, Mo.
Pyrometer Instrument Co., Inc., Bergenfield 33, N. J.

Q

Quality Products Co., 5760 W. Grand Ave., Chicago 39, Ill.
Queen City Engineering Co., Inc., Old Pineville Rd., P. O. Box 3103, Charlotte 3, N. C.
Quigley Co., Inc., 527 Fifth Ave., New York 17, N. Y.
Quik Pac Div., H. Wesley Hutchins Co., Hutching St., Auburn, Maine

R

Rainbow Dye Works, 109 S. 16th St., Louisville 2, Ky.
Ramelli, Rudolph, Inc., 1030 Sprague St., Shreveport, La.
Ramtite Co., Div. S. Obermayer Co., 2563 W. 18th St., Chicago 18, Ill.
Randolph Laboratories, Inc., 8 E. Kinzie St., Chicago 11, Ill.
Rapids-Standard Co., 535 Bono Ave., N.W., Grand Rapids 2, Mich.
Rassenfoss Bag Co., Inc., 1904 Grove St., Glenview, Ill.
Ray Oil Burner Co., 1301 San Jose Ave., San Francisco 12, Cal.
Reading-Pratt & Cady, Div. American Chain & Cable Co., Inc., Tulpehocken St. & Lebanon Valley R. R., Reading, Pa.
Reed Cleaners, 20 13th St., N., Fargo, N. D.
Reed Mfg. Co., 1425 W. Eighth St., Erie, Pa.
Reed-Stabin, Inc., 504 62nd St., Brooklyn 20, N. Y.
Rees-Davis Drugs, Inc., Meriden, Conn.
Reeves Bros., Inc., 54 Worth St., New York 13, N. Y.
Refined Products Corp., 624 Schuler Ave., Lyndhurst, N. J.
Reintjes, George P., 2515-17 Jefferson St., Kansas City 10, Mo.
Reliable Machine Works, Inc., 231 Eagle St., Brooklyn 22, N. Y.
Reliable Steam Pressing Machine Service, Inc., 175 Bergen St., Newark 3, N. J.
Reliance Electric & Engineering Co., 1058 Ivanhoe Rd., Cleveland 10, Ohio
Rema Corp., Box 86, Norwalk, Conn.
Remington Rand, Inc., 315 Fourth Ave., New York, N. Y.
Renard's, 741 Madison Ave., New York 21, N. Y.
Reo Motors, Inc., 1314 S. Washington Ave., Lansing 20, Mich.
Repel-O-Products Div., North American Merchandising Co., Transportation Bldg., Detroit 26, Mich.
Republic Flow Meters Co., 2240 W. Diversey Parkway, Chicago 47, Ill.
Republic Steel Corp., Republic Bldg., Cleveland 1, Ohio
Research Laboratories Corp., P. O. Box 338, Durham, N. C.
Research Products Corp., 1011 E. Washington Ave., Madison 3, Wisc.
Resillo Co., 2328 W. Nelson St., Chicago 18, Ill.
Revere Copper & Brass, Inc., 230 Park Ave., New York 17, N. Y.
Revere Electric Mfg. Co., 6009 Broadway, Chicago 40, Ill.
Revolite Div., Raybestos-Manhattan, Inc., 500 Fifth Ave., New York 36, N. Y.
Rhodes, Preston T., 520-22 N. 61st St., Philadelphia, Pa.
Rich Fan Mfg. Co., 2904 Caroline St., Houston 4, Texas
Richards-Wilcox Mfg. Co., 174 Third St., Aurora, Ill.
Risdon Mfg. Co., Risdon St., Naugatuck, Conn.
Riverside Chemical Co., Inc., 871-947 River Rd., North Tonawanda, N. Y.
Riverside Mfg. Co., 4919-27 Connecticut St., St. Louis 9, Mo.
Roberts Numbering Machine Co., 705 Jamaica Ave., Brooklyn 8, N. Y.
Roberts Mfg. Co., P. O. Box 8154, Jackson, Miss.
Robins, G. S., & Co., 126 Chouteau St., St. Louis, Mo.
Robinson School of Weaving, 210½ W. Main Lebanon, Ind.
Robot Laundry Machinery Sales, Div., Wolf Co., Wolf Ave., Chambersburg, Pa.
Rockwell, W. S., Co., 200 Eliot St., Fairfield, Conn.
Rodin Machinery Co., Div. Rodin Bros., 1331 S. Michigan Ave., Chicago 5, Ill.
Roller Bearing Co. of America, Box 480, Trenton, 3, N. J.
Roll-on-Sealer Co., Antioch, Ill.
Rome Soap Mfg. Co., Sixth St., Rome, N. Y.
Ronaflex Tubing Co., Inc., Packard Bldg., Philadelphia 2, Pa.
Root & Co., 11 Ionia, S. W., Grand Rapids 2, Mich.
Roots-Connersville Blower Corp., 900 W. Mount St., Connersville, Ind.
Rosenthal Mfg. Co., 5035 N. Kedzie Ave., Chicago 25, Ill.
Rosenthal Paper Co., 200 Lynch St., St. Louis 18, Mo.
Roth, Roy E., Co., 2430 Fourth Ave., Rock Island, Ill.
Ro-Wash, 696 Pembroke Rd., Jenkintown, Pa.
Rubber City Mfg. Co., 714 N. Main St., Akron 10, Ohio
Ruberoid Co., 500 Fifth Ave., New York 18, N. Y.
Rubin, E. L., Mfg. Co., 4 Monroe St., Pittsfiedl, Mass.
Rubinoff, M., Inc., 154-156 W. 27th St., New York 1, N. Y.
Rumford Chemical Works, Rumford 16, R. I.
Rusco Chemicals, Box 9101, Charlotte 5, N. C.
Russell Mfg. Co., East Main St., Middletown, Conn.

S

Sabin Machine Co., 6536 Carnegie Ave., Cleveland 3, Ohio
St. Louis Sticker Co., 1906 Pine St., St. Louis 3, Mo.
Sak-Rak Co., 601 Cole Ave., Monroe, La.
Salomon, L. A., & Bro., 216 Pearl St., N. Y. 38, N. Y.
Samson & Shaffer, Inc., 542 S. Dearborn St., Chicago 5, Ill.
Sandoz Chemical Works, Inc., 61-63 Van Dam St., New York 13, N. Y.
Sani-Matic Brusher, 3945 N. Sheridan Rd., Chicago 13, Ill.
Sanitone Div., Emery Industries, Inc., 4200 Carew Tower, Cincinnati 2, Ohio
Sani-Top Co., Stepney Depot, Conn.
Sarco Co., Inc., Empire State Bldg., New York, 1, N. Y.
Schaub, Fred H., Engineering Co., 2110 S. Marshall Blvd., Chicago 23, Ill.
Schirmer-Dornbirer Pump Co., 1719 E. 39th St., Cleveland 14, Ohio
Schramm, Inc., West Chester, Pa.
Schwartz, B. W., Co., Box 205, Washington St., Two Rivers, Wisc.
Schwitzer-Cummins Co., 1145 E. 22nd St., Indianapolis 7, Ind.
Scientific Packages, Inc., 1827 Park Ave., Denver, Colo.
Sec-O-Matic Corp., 55 LaFrance Ave., Bloomfield, N. J.
Security Fur Seal Co., Inc., 144 W. 27th St., New York 1, N. Y.
Sellers Engineering Co., 4876 N. Clark St., Chicago 40, Ill.
Seneca Dyers, Inc., 1227 Maple St., Rochester 11, N. Y.
Serdex, Inc., 91 Cambridge St., Boston 14, Mass.
Service Recorder Co., 1375 Euclid Ave., Cleveland 15, Ohio
Shane Uniform Co., Inc., 2013 W. Maryland, Evansville 7, Ind.
Shell Oil Co., Inc., 50 W. 50th St., New York 20, N. Y.
Sherwin-Williams, 101 Prospect Ave., N. W., Cleveland 1, Ohio
Shields Engineering & Mfg. Co., 277 E. 156th St., Cleveland 10, Ohio
Shop-In-Car Corp., P. O. Box 1367, Shelby, N. C.
Shreveport Garment Mfg., 908 McNeil St., Shreveport 95, La.
Sibur Mothproof Co., P. O. Box 956, Colorado Springs 3, Colo.
Siebring Mfg. Co., 106 Owen St., George, Iowa
Signal Chemical Mfg. Co., 5020 Richmond Rd., Bedford, Ohio
Simco Co., 920 Walnut St., Lansdale, Pa.
Simplex Oil Heating Corp., 7901 Oxford Ave., Philadelphia 11, Pa.
Simplex Time Recorder Co., 24 S. Lincoln St., Gardner, Mass.
Singer Sewing Machine Co., 149 Broadway, New York 6, N. Y.
Sirotta, Bernard, Co., 620 Smith St., Brooklyn 31, N. Y.
Skelly Oil Co., Industrial Div., 605 W. 47th St., Kansas City 41, Mo.

Skrandel Co., 6433 S. Rockwell St., Chicago 29, Ill.
Slater-Robbins Co., Inc., 28-44 Borden Ave., Long Island City, N. Y.
Slick Trailer Stores, 3201 S. Clinton, Fort Wayne, Ind.
Small Equipment Co., 5010 Section Rd., Cincinnati 12, Ohio
Smith, A. O., Corp., Perma Glass Div., Route 46, Kankakee, Ill.
Smith Bros. Co., Highway 64 at West Ave., Plymouth, N. C.
Smith, Frank R., Co., 503 Front St., Orange, Texas
Smith, R. B., Co., 1609 S. Nevada Ave., Colorado Springs, Colo.
Smith, T. L., Co., 2835 N. 32nd St., Milwaukee 1, Wisc.
Smith, X. S., Inc., Box 272, Red Bank, N. J.
Socony-Vacuum Oil Co., Inc., 26 Broadway, New York 4, N. Y.
Soden, P. N., & Co., Ltd., 2143 St. Patrick St., Montreal, Can.
Solvay Process Div., Allied Chemical & Dye Corp., 40 Rector St., New York 6, N. Y.
Some's Terminal Uniforms, P. O. Box 87-5 Cos. Branch, Jersey City, N. J.
Southeastern Textile Co., 222 E. Solomon St., Griffin, Ga.
Southern Machinery Co., 1565 Hansford St., Charleston 24, W. Va.
Southern Mills, Inc., 585 Wells St., S. W., Atlanta, 3, Ga.
Southland Enterprises, 1132 Pryor St., S. W., Atlanta, Ga.
Spear Box Co., Inc., 270 11th Ave., New York 1, N. Y.
Speare Co., 2235 S. Ford Ave., Chicago 16, Ill.
Specialty Devices Co., 805 E. 26th St., Norfolk 4, Va.
Speed Check Co., Inc., 542 Courtland St., N.E., Atlanta 8, Ga.
Speed Queen Corp., Ironer Div., 413 Washington Ave., Algonquin, Ill.
Speedlite Chemicals Co., 1900-16th St., San Francisco 1, Cal.
Speedway Chemicals Co., 2029 Park Ave., Detroit 26, Mich.
Speedy Washer Mfg. Co., 5700 N. W. 35th Ave., Miami 48, Fla.
Spencer Turbine Co., 486 New Park Ave., Hartford, Conn.
Spix Products Co., 119 Dahlem St., Pittsburgh 6, Pa.
Spotswood Parker & Co., 313 Techwood Dr., N. W., Atlanta, Ga.
Stadham Co., Inc., 1825-31 N. 20th St., Philadelphia 21, Pa.
Stadler Textile Weavers, 312 E. Wisconsin Ave., Milwaukee, Wisc.
Stainpruf Mfg. Co., 2032 E. Seventh St., Los Angeles 21, Cal.
Staley, A. E., Mfg. Co., Decatur, Ill.
Standard Chemical Works Co., 538 E. Town St., Columbus 15, Ohio
Stamford Chemical Co., St. Mary's St. & Halloween Blvd., P. O. Box 1131, Stamford, Conn.
Standard Garment Co., 2283 Fulton St., Toledo 10, Ohio
Standard Laundry & Cleaning Machinery Co., 6900 Maple Ave., Dallas 2, Texas
Standard Oil Co., 910 Michigan Ave., Chicago 80, Ill.
Standard Register Co., 3005 Campbell St., Dayton 1, Ohio
Standard Soap Co., Div. Concord Chemical Co., Inc., P. O. Box 800, Camden, N. J.
Sta-Neat Corp., 5602 Mockingbird Lane, Dallas, Texas
Stanley, John T., Co., Inc., 626-66 W. 30th St., New York 1, N. Y.
Sta-Nu Corp., 4850 W. Belmont, Chicago 42, Ill.
Star-Service Hanger Div., L. A. Young Spring & Wire Corp., 9200 Russell St., Detroit 11, Mich.
Statikil Div., J. E. Doyle Co., 1220 W. 6th St., Cleveland 13, Ohio
Stauffer Chemical Co., 380 Madison Ave., New York 17, N. Y.
Stay-Fresh Corp., 3945 N. Sheridan Rd., Chicago 13, Ill.
Steamaster Automatic Boiler Co., 5819 Compton Ave., Los Angeles 11, Cal.
Steamaster Co., Inc., 110 W. 30th St., New York 1, N. Y.
Steam Engineering & Sales Co., 1818 W. 47th St., Chicago, Ill.
Stearns, George, Chemical & Mfg. Co., 119 E. Main St., Madison, Wisc.
Stebbins Mfg. & Supply Co., 1735 Blake St., Denver 2, Colo.
Steelcote Mfg. Co., 3418 Gratoit, St. Louis 3, Mo.
Steele Canvas Basket Co., Inc., 199 Concord Turnpike, Box 64, Cambridge 40, Mass.
Steele, J. W., & Co., 12th Ave. & Howell, North Kansas City 16, Mo.
Steel Products Engineering Co., 1205 Columbia St., Springfield, Ohio
Steigler, George, Co., 8 Forest Ave., Cincinnati, Ohio
Stein, Lawrence M., Co., 815-25 W. Van Buren St., Chicago 7, Ill.
Steiner Sales Co., 740 Rush St., Chicago 11, Ill.
Steinman Paper Co., 1320 Halsted Ave., Chicago 22, Ill.
Stephens-Adamson Mfg. Co., Ridgeway Ave., Aurora, Ill.
Sterling Air Conditioning Corp., 358 W. Main Ave., Gastonia, N. C.
Sterling, Inc., 3738 N. Holton St., Milwaukee 12, Wisc.
Sterling Engineering & Mfg. Corp. (Templeton Mfg. Co.), Reservation Rd., Hyde Park 36, Mass.
Sterling Supply Corp., 1 Porter St., Philadelphia 48, Pa.
Sterwin Chemicals, Inc., 1450 Broadway, New York 18, N. Y.
Steven, Michael, Corp., 525 W. 52nd St., New York 19, N. Y.
Stevenson Co., Stevenson, Conn.
Stevenson, Jordan & Harrison, Inc., 205 W. Wacker Dr., Chicago 14, Ill.
Stewart-Warner Corp. Alemite Corp., 1826 Diversey Parkway, Chicago 14, Ill.
Stitt-Reed, Inc., and/or Wm. A. Reed & Co., Inc., 8432 44th Pl., Lyons, Ill.
Stomac Engineering Co., Inc., 200 W. 25th, Cleveland 13, Ohio
Stone Boiler Equipment Corp., 186 Powers St., Brooklyn 11, N. Y.
Story Mfg. Co., 205 Lafayette Ave., Bellevue, Ky.
Stout, David, & Sons, 7016 Manchester Blvd., St. Louis 17, Mo.
Stover Water Softener Co., Stover Bldg., St. Charles, Ill.
Street, R. R., & Co., Inc., 561 W. Monroe St., Chicago 6, Ill.
Strike's Laundry Machinery, Inc., 221 N. Westmoreland Ave., Los Angeles 49, Cal.
Strohmeyer & Arpe Co., 139-414 Franklin St., New York 13, N. Y.
Stromberg Time Corp., 109 Lafayette St., New York 13, N. Y.
Strong, Carlisle & Hammond Co., 1392 W. Third St., Cleveland 13, Ohio
Stry-Lenkoff & Co., 815 E. Market St., Louisville 6, Ky.
Studebaker Corp., South Bend, Ind.
Suedecare, Inc., 50 Station Plaza, Hempstead 1, N. Y.
Suede King, 1311 E. State St., Sharon, Pa.
Superior Combustion Industries, Inc., 1475 Broadway, New York 36, N. Y.
Superior Products Co., 148 Pearl St., Somerville 45, Mass.
Superior Reweavers, 116 Peachtree Arcade, Atlanta 3, Ga.
Super Laundry Machinery Co., P. O. Box 307, St. Joseph, Mich.
Sure-Hold Div., Nashua Corp., Franklin St., Nashua, N. H.
Sureloc Paper Clip Co., 66 Kenyon Ave., Wakefield, R. I.
Surface Protection Co., Inc., 16799 Euclid Ave., Cleveland 12, Ohio
Sutherland Paper Co., 243 E. Paterson St., Kalamazoo 13-D, Mich.
Swift & Co., Industrial Soap Dept., 4115 Packers Ave., Chicago 9, Ill.
Swiss Cleaners & Laundry, 915 S. Sixth St., Louisville, Ky.
Sylvania Div., American Viscose Corp., 122 E. 42nd St., New York 17, N. Y.
Sylvania Electric Products, Inc., 500 Fifth Ave., New York 1, N. Y.

T

Taco Heaters, Inc., 137 South St., Providence 3, R. I.
Tad Chemical Co., Div. Acme Industrial Compounds Corp., 625 S. Goodman, Rochester 7, N. Y.
Tagit Co., 1212 11th St., Rockford, Ill.
Takamine Laboratory, Div. Mills Laboratories, Inc., 193 Arlington Ave., Clifton, N. J.
Take-Care Mfg. & Sales Co., 2225 E. Ninth St., Wichita, Kans.
Talon, Inc., 626 Arch St., Meadville, Pa.
Tarbonis Co., 4300 Euclid Ave., Cleveland 3, Ohio
Tash, Al, Dye Works, Grand Prairie, Dallas County, Texas
Taubman, Samuel, & Co., 176 Madison Ave., New York 16, N. Y.
Taylor Host Inc., 4418 Griffin Ave., Los Angeles 31, Cal.
Taylor, W. A., & Co., 7300 York Rd., Baltimore 4, Md.
Tejax Engineering Corp., 1 Washington Ave., Providence 1, R. I.
Tele-Vue Packaging Products, Inc., 300 S. 12th St., New Hyde Park, N. Y.
Texas Co., 135 E. 42nd St., New York, N. Y.
Tex Tag Control Systems, 522 W. Peachtree St., Atlanta, Ga.
Textile Marking Machine Co., Inc., 2204 Erie Blvd., East, Syracuse 1, N. Y.
Thermopatch Corp., 2432 Grand Concourse, New York 58, N. Y.
Thomaston Mills, E. Main St., Thomaston, Ga.
Thompson, H. C., Clock Co., 2915 Federal St., Bristol, Conn.
Thompson-Hayward Chemical Co., Carman Div., 2915 Southwest Blvd., Kansas City 8, Mo.
Thomson Chemical Co., 619 N. Jackson St., Lima, Ohio
Thoro Products Co., 3240 Larimer St., Denver 5, Colo.
Thrifty Weavers, 310 N. St. Clair St., Toledo 4, Ohio
TickeTag Corp., 512 Wrenn St., High Point, N. C.
Tillery Container Corp., 600 Wilson Ave., Kansas City 23, Mo.
Time Savers, Inc., 83-99 Walnut St., Montclair, N. J.
Timken Roller Bearing Co., 1835 Dueber Ave., S. W., Canton 6, Ohio
Tingue, Brown & Co., 1765 Carter Ave., New York 57, N. Y.
Titusville Iron Works Co., Div. Struther Wells Corp., 51 Drake St., Titusville, Pa.
Todd Co., Inc., 1150 University Ave., Rochester 3, N. Y.
Toledo Scale Co., 1076 Telegraph Rd., Toledo 12, Ohio
Tork Clock Co., Inc., 1 Grove St., Mt. Vernon, N. Y.
Towne & Country Cleansing Craftsmen, 48 Chandler St., Worcester, Mass.
Trane Co., Second & Cameron Sts., La Crosse, Wisc.
Travelers Insurance Co., Hartford, Conn.
Tremm Chemical Corp., 1865 N. E. 144th St., Miami, Fla.
Trent Tube Co., East Troy, Wisc.
Trico Chemical Div., Tri-State Equipment Co., 402 Swetland Bldg., 1010 Euclid Ave., Cleveland 15, Ohio
Trico Fuse Mfg. Co., 2948 N. Fifth St., Milwaukee 12, Wisc.
Triner Scale & Mfg. Co., 2714 W. 21st Chicago, Ill.
Trio Chemical Works, Inc., 341-49 Scholes St., Brooklyn 6, N. Y.
Tripp Mfg. Co., Grande Ave., Greenville, N. C.
Tropical Paint & Oil Co., 1110-1300 W. 70th St., Cleveland 2, Ohio
Troy Laundry Machinery Div., American Machine Metals, Inc., East Moline, Ill.
Troy Sunshade Co., Plum & Grant Sts., Troy, Ohio
Tru Color Dye Works, Inc., 2447 44th St., Long Island City 3, N. Y.
"TT" TickeTag Corp., 512 N. Wrenn St., High Point, N. C.
Tyson Sales Co., Inc., 1212 Washington Ave., Houston, Texas

U

Underwood Corp., 1 Park Ave., New York 16, N. Y.
Uniflow Mfg. Co., Erie, Pa.
Uniform Sales Co., 527 W. Roosevelt Rd., Chicago 7, Ill.
Uni-Mac Co., 723 Ponce de Leon Pl., Atlanta, Ga.
Union Carbide & Carbon Corp., Textile Div., 30 E. 42nd St., New York 17, N. Y.
Union Iron Works, 15th & Cascade St., Erie, Pa.
Union Oil Co. of California, Los Angeles, Cal.
Unipress Co., 2800 Lyndale Ave., S., Minneapolis 8, Minn.
United Autographic Register Co., 5000 S. California Ave., Chicago, Ill.
United Brass Works, 1589 Atlantic Ave., Brooklyn, N. Y.
United Cotton Goods Co., Inc., 101 E. Broadway, Griffin, Ga.
United Fabrics Co., 223 W. Jackson Blvd., Chicago, Ill.
United Laboratories, Inc., 2863 Noble Rd., Cleveland 12, Ohio
United Print Shop, 283 Seventh Ave., New York 1, N. Y.
U. S. Blind Stitch Machine Co., 312 Seventh Ave., New York 1, N. Y.
U. S. Chemical Products Co., P. O. Box 212, Columbus, Ohio
U. S. Gauge Div., American Machine & Metals, Inc., Clymer Ave., Sellersville, Pa.
U. S. Hoffman Machinery Corp., 105 Fourth Ave., New York 3, N. Y.
U. S. Machine Corp., Lebanon, Ind.
U. S. Marking Tag Co., Inc., 718 Atlantic Ave., Brooklyn 17, N. Y.
U. S. Metals Corp., Puerto Nuevo, Box 3336, San Juan, Porto Rico
U. S. Mining Corp., 6363 Wilshire Blvd., Los Angeles 48, Cal.
U. S. Rubber Co., Koylon Div., 407 N. Main St., Mishawaka, Ind.
U. S. Rubber Co., Textile Div., 1230 Ave. of the Americas, New York 20, N. Y.
U. S. Spring & Bumper Co., 4951 Alcoa Ave., Los Angeles, Cal.
U. S. Steel Co., 525 William Penn Pl., Pittsburgh 30, Pa.
U. S. Tag & Ticket Co., 2217-21 Robb St., Baltimore, Md.
U. S. Tissue Converting Co., 1848 W. Washington Blvd., Los Angeles 7, Cal.
United Steel & Wire Co., 175 Fonda Ave., Battle Creek, Mich.
United Vacuum Appliance Corp., Connersville, Ind.
Unit Wash Corp., 162 S. Washington St., Plainville, Conn.
Universal Cleansing & Dyeing Co., 1218 E. 71st St., Cleveland, Ohio

Universal Laundry Machinery Co., 3739 Page Blvd., St. Louis, Mo.
Universal Match Corp., 1501 Locust St., St. Louis 3, Mo.
Universal Sales, Inc., Delaware, Ohio
Universal Solvent Co., Springfield, Delaware Co., Pa.
Utility Truck Distributors, Inc., Union City, Ind.

V

V & W Equipment, Inc., 124 S. Blount St., East Point, Ga.
Valdura Div., American Marietta Co., 43 E. Ohio St., Chicago 11, Ill.
Van Chemical Co., 539 Third St., Detroit 26, Mich.
Vapor Heating Corp., 230 Park Ave., New York 17, N. Y.
Vara, A. G., & Son, Inc., 53 Clark St., Hamburg, N. Y.
Veeder-Root, Inc., 70 Sargeant, Hartford 2, Conn.
Velan Engineering Co., 6585 Jeanne Mance St., Montreal, Can.
Velocity Stean Production Engineering, Inc., 38 S. Dearborn St., Chicago 3, Ill.
Vic Cleaning Machine Co., 1313 Hawthorne Ave., Minneapolis 3, Minn.
Victor Balata & Textile Belting Co., 53 Park Pl., New York 7, N. Y.
Victor Chemical Works, 155 N. Wacker Drive, Chicago 6, Ill.
Victor Lubricator Sales Co., Mildred & North Aves., Antioch, Ill.
Viking Pump Co., Fourth & Newman Sts., Cedar Falls, Iowa
Virginia-Carolina Laundry Supply Corp., 212 W. Seventh St., Richmond, Va.
Virginia Greenstone Co., Inc., Box 897, S. Lynchburg, Va.

W

Wagner Sign Service, Inc., 212 Hoyne Ave., Chicago 12, Ill.
Waldorf Co., 2236 Myrtle Ave., St. Paul, Minn.
Waldorf Paper Products, 2250 Wabash Ave., St. Paul 4, Minn.
Wallerstein Co., Inc., 180 Madison Ave., New York 16, N. Y.
Walser Automatic Timer Control, 420 Lexington Ave., New York 17, N. Y.
Walworth Co., 60 E. 42nd St., New York 17, N. Y.
Warco Laboratories, 1638 W. Vernon Ave., P. O. Box 62066, Los Angeles 62, Cal.
Warwick Chemical Co., 10th St. & 4th Ave., Long Island City, N. Y.
Washex Machinery Corp., 192 Banker St., Brooklyn 22, N. Y.
Washine National Sands, Inc., 37-02 Northern Blvd., Long Island City 1, N. Y.
Washington Cleaners & Dyers, Inc., 5581 Wells Ave., St. Louis, Mo.
Watson-Standard Co., 225 Galveston Ave., Pittsburgh 12, Pa.
Watts Regulator Co., 10 Embankment St., Lawrence, Mass.
Wayne Pump Co., 513-521 Tecumseh St., Fort Wayne 4, Ind.
Weave Masters, Inc., 413 Race St., Cincinnati, Ohio
Webb Belting & Supply Co., 1501-1507 W. 12th St., Kansas City 7, Mo.
Webster, Warren, & Co., 17th & Federal Sts., Camden, N. J.
Wendling Standard Forms, Fort Thomas, Ky.
Weissert, R. M., 607 Equitable Bldg., 613 Locust St., St. Louis, Mo.
West Coast Laundry Machinery Co., 3246 17th St., San Francisco 10, Cal.
Western Laundry Machinery Co., 420 E. 10th St., North Kansas City 16, Mo.
Western Laundry Press Co., 619 S. Fifth West St., Salt Lake City, Utah
Western Pump Co., Ltd., 522 W. Santa Clara St., San Jose 1, Cal.
Westinghouse Electric Corp., Lamp Div., Bloomfield, N. J.
Weston Electric Instrument Corp., 614 Frelinghuysen Ave., Newark 5, N. J.
West Side Corp., 177 E. 123rd St., New York 35, N. Y.
West Texas Marine Boiler Works, Inc., P. O. Box 5665, Lubbock, Texas
Westvaco Chlor-Alkali Div., Food Machinery & Chemical Corp., 161 E. 42nd St., New York 17, N. Y.
White Frost Chemicals, Inc., 315 W. Putnam Ave., Greenwich, Conn.
Whitehouse Nylon Products, 360 Furman St., Brooklyn 1, N. Y.
White Machine Co., Inc., 14th St. & Lafayette Ave., Kenilworth, N. J.
White Motor Co., 847 E. 79th St., Cleveland, Ohio
Whitlock Mfg. Co., 90 South St., Elmwood, Hartford 10, Conn.
Wichita Precision Tool Co., Inc., 450 N. Seneca, Wichita, Kans.
Wick Narrow Fabric Co., 112 N. 12th St., Philadelphia 7, Pa.
Wiegand, Edwin L., Co., 7671 Thomas Blvd., Pittsburgh 8, Pa.
Will-Burt Co., Orrville, Ohio
Willcox & Gibbs Sewing Machine Co., 214 W. 39th St., New York 18, N. Y.
Williams & Davis Boiler & Welding Co., Inc., 2527 Canton St., Dallas 1, Texas
Williams Laundry Machinery Co., Inc., 37-16 22nd St., Long Island City 1, N. Y.
Williams, I. B., & Sons, 51 Washington St., Dover, N. H.
Wil-Nor Products, 3002 N. Fifth St., Philadelphia 33, Pa.
Wilson, A. L., Chemical Co., 38 Passaic Ave., Kearny, N. J.
Windsor Chemical Co., P. O. Box 8, Peekskille, N. Y.
Winner, Joe L., 281 S. Hilton St., Baltimore 29, Md.
Wire Specialties & Mfg. Corp., 1348-50 12th St., Denver 4, Colo.
Wizard Weavers, 135 E. Gay St., Columbus 15, Ohio
Wolf Machine Co., 2203 Fowler St., Cincinnati 6, Ohio
Wolke, A. F., Co., 1902 Silver St., New Albany, Ind.
Wonder Weavers, 44 Whalley Ave., New Haven 11, Conn.
Wood Conversion Co., First National Bank Bldg., St. Paul 1, Minn.
Wood, George, Sons & Co., 512 Walnut St., Philadelphia 5, Pa.
Woodhead Insurance Agency, 510 Insurance Exchange Bldg., Kansas City 6, Mo.
Wood's, T. B., Sons Co., Chambersburg, Pa.
Woodward Valve Repair, 624 Main St., Woodward, Okla.
Wormstead, Smith & Loomis, Inc., 77 Washington St., N., Boston 14, Mass.
Worthington Corp., Worthington Ave., Harrison, N. J.
Wright-Austin Co., 3245 W. Woodbridge St., Detroit 26, Mich.
Wrisley, Allen B., Co., 6801 W. 65th St., Chicago, Ill.
Wyandotte Chemicals Corp., J. B. Ford Div., Wyandotte, Mich.
Wyotana Mining Co., 331 First Federal Bldg., St. Paul 1, Minn.

Y

Yarnall-Waring Co., 129 Mermaid Ave., Philadelphia 18, Pa.
Yeomans Bros. Co., 1999 Ruby St., Melrose Park, Ill.
York-Shipley, Inc., Industrial Div., 500 Jessop Pl., York, Pa.
Young, John A., 7 Central Ave., West Barrington, R. I.
Young Radiator Co., 709 S. Marquette St., Racine, Wisc.

Z

Zeidler Mfg. Co., 633 Concord Ave., Mamaroneck, N. Y.
Zellermayer, Nathan, & Co., 2106 Washington Ave., New York, N. Y.
Zel-Tex Co., 1623 Sears Point Rd., Vallejo, Cal.
Zenith Electric Co., 146 W. Walton St., Chicago 10, Ill.
Zephyr Laundry Machinery Co., 3500-12 Touhy Ave., Chicago 45, Ill.
Zero Water Softener Mfg. Co., 4985 Elston Ave., Chicago 30, Ill.
Zimmerman Products, 2519 Burnet Ave., Cincinnati 19, Ohio
Zuckerberg Co., 87 Franklin St., New York 13, N. Y.

Local Buyers' Guide

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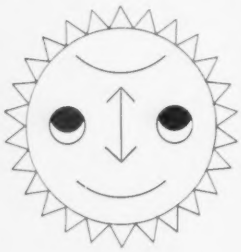

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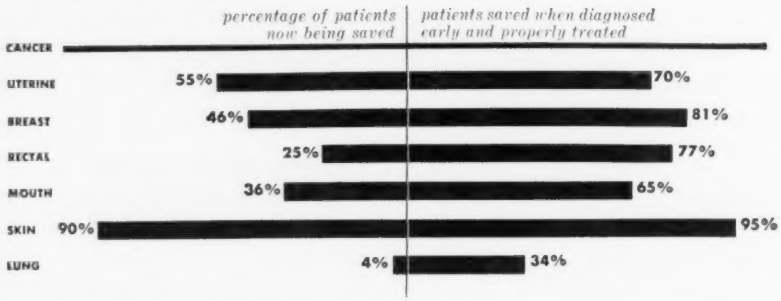

(Estimates based on reports to the Third National Cancer Conference that included comprehensive data from the Connecticut State Department of Health, as well as the records of many hospitals, clinics, and other medical sources. The figures are believed to be sound estimates for most of the United States).

7 "LIFE-SAVING" SIGNALS

These seven so-called "danger" signals of cancer have, in reality, been seven *life-saving* signals to hundreds of thousands of Americans who have gone to their doctors at the first sign of any one of these:

1. ANY SORE THAT DOES NOT HEAL
2. A LUMP OR THICKENING IN THE BREAST OR ELSEWHERE
3. UNUSUAL BLEEDING OR DISCHARGE
4. ANY CHANGE IN A WART OR MOLE
5. PERSISTENT INDIGESTION OR DIFFICULTY IN SWALLOWING
6. PERSISTENT HOARSENESS OR COUGH
7. ANY CHANGE IN NORMAL BOWEL HABITS

None is a *sure* sign of cancer, but only a doctor can tell.

AMERICAN CANCER SOCIETY

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FOR IMMEDIATE SALE: 1—48" extractor with stainless-steel basket. Motor-driven, new curb and cover. 1—3,200 G.P.H. Butler filter with Viking pump. Write, or call **JENSEN MFG. CO., PALMYRA, NEW JERSEY, MArket 7-1403.** 1344-4

FOR SALE—NO OFFER REFUSED: 1—PROSPERITY GARMENT PRESS, 1—PANTEX GARMENT PRESS, 1—PANTEX COLLAR & CUFF PRESS, 2—DUAL SLEEVE IRONERS. AMERICAN LAUNDRY MACHINE—CENTRIFUGE EXTRACTOR, Solid curb, Model #26, Basket depth 12", 5 h.p. motor. **90 H.P. CYCLOTHERM STEAM GENERATORS—PACKAGE TYPE,** Model MC-90, 125 psi, 3,000 lbs. of steam per hour, oil-fired with #2 or #3 oil. **EVEREADY SUPPLY CO.,** 803-5 Housatonic Ave., Bridgeport 4, Conn. 1341-4

17" MONEX EXTRACTOR. Monel curb and basket; 20 lbs. dry-weight capacity; motor drive, 220-60-1 ph. AC. Rebuilt like new, ready to ship. The American Laundry Machinery Co., Cincinnati 12, Ohio. 1333-4

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Due to merger and consolidation of operations, following machines are available for prompt delivery at Standard Linen Service and Sunshine Arcade Laundry, Washington, D. C.: 3—42 x 84" **TROY STAINLESS STEEL** 4 compartment 4 door **SLIDE OUT** washers; 4—42 x 96" 4 compartment 4 door and 1—42 x 96" 3 compartment 3 door **AMERICAN MASTER CASCADE WASHERS,** machines motor driven 220 volt, 3 phase, 60 cycle current; 4—42 x 42" **HUEBSCH** 4 coil **TUMBLERS;** 4—154PC **PROSPERITY DUCK COAT** presses; 3—Prosperity PO **MUSHROOM PRESSES;** 2—Prosperity 454PC **BODY PRESSES;** 1—**RELIABLE 7' FUR FUMIGATING CABINET;** 1—30" American extractor, motor driven; 5—**NATIONAL FANTOM FAST MARKING** machines; 2—**LANG LISTING MACHINES;** 3—Carpet Cleaning Rotary Brushes. Machines in operation and inspection recommended to appreciate value. **CUMMINGS-LANDAU Laundry Machinery Co., 305 Ten Eyck Street, Brooklyn 6, N. Y.** 1330-4

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Foreman for mechanized volume rug cleaning plant in Middle West, experienced in all departments including repairing. **ADDRESS, Box 1297, STARCHROOM LAUNDRY JOURNAL.** -7

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Working foreman, new modern plant. Must be capable of training help and maintaining high standard of quality and production. State education, experience, age, marital status and salary expected. 11 routes, Midwest. **ADDRESS,** Box 1331, **STARCHROOM LAUNDRY JOURNAL.** -7

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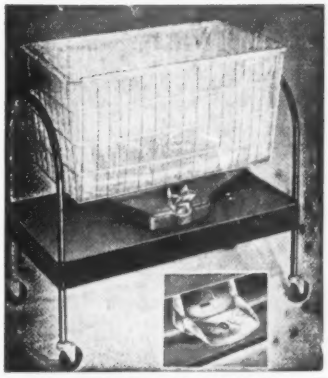
PARTNERSHIP WANTED

Partner wanted in the manufacturing of laundry nets. Prefer one who knows the laundry industry. **ADDRESS,** Box 1351, **STARCHROOM LAUNDRY JOURNAL.** -9



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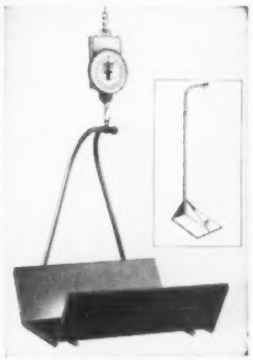

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Advertising Booklet Scores

To the Editor:

Advertising by Robert M. Place is an absolute must for every salesman in our organization. I think it is terrific. Would you please forward to me immediately an additional 16 copies, to my personal attention.

C. D. Baxstresser
Sales Manager
Goss-Jewett Company, Inc.
Los Angeles, California

Drive-In Interest

To the Editor:

As an interested party, I wish to take this opportunity to thank you for your swell article, "The Drive-In Branch Store," in the August 1956 issue of Starchroom Laundry Journal.

Alan C. Noble
Englewood, New Jersey

Pour on the Power

To the Editor:

I find your Laundry Journal very informative, particularly the technical and engineering department, reprints and engineering questions and answers department.

I would like an article on water piping in laundries, covering flow rates, distribution, sizes of mains and submains, washer filling time, demands, balancing the flow in the hot and cold water piping and in branches.

The flow of water in laundry piping is a complex problem. In most laundries the plant capacity outpaces the piping systems, resulting in serious loss of time in filling the washers to their respective water levels.

There seems to be a lack of information on the factors necessary to arrive at a practical and economical solution to laundry piping systems.

Instantaneous demands for water by the washroom pose a big problem, such as: The limited heads available, pumping into an elevated tank and supplying the washroom demands by gravity, or pumping out of a tank and recirculating through a back-pressure valve back into the tank, increasing the meter and piping to reduce equivalent length of piping, change the zeolites in the softeners, select the water heaters and waste heat reclaimers on the basis of their pressure drops at some optimum instantaneous demand and so on . . .

I feel anything on this very important subject would be of much interest to all in the laundry industry.

Chas. Miksit, Jr.
Darby, Pennsylvania

We aim to please.—Editor

More Ideas From Capital

To the Editor:

We appreciated the kind article in the September issue of Starchroom. I think it was handled real well.

I hate to sound like a publicity hound, but we just tried a new promotional scheme that might be of interest to you. For the past few weeks I hired a clown, a professional tumbler, a jazz combo and arranged for the Maid of Cotton to come out and attract attention on our parking lot. For a few days we had the clown walking up and down the lot waving at cars and handing out gum and candy. The next four days we had a tumbler out on the lot turning flips and performing other types of acrobatics. Behind him was a sign saying, "They are all tumbling for our services." The next four to five days we had a combo out front and behind them was a sign reading, "Get in the Rhythm of our Fast Service."

On the last day of the promotion we invited the newspaper, television and the Maid of Cotton (who is the South's Miss America) out to tour the plant. The Maid of Cotton greeted customers as they came in and through her we gained much free publicity. The whole program was a huge success as many people around town have mentioned it to me and to other employees at the Capital City Laundry.

As soon as I get the pictures that were taken over the two-week period, I will send you copies.

I don't know whether this type of advertising has been tried by other plants, but it was certainly successful in our case.

If through your work you might hear of any special or unusual promotion, please let me know, because I am convinced that in this day of high-budget advertising and standardized services, unusual promotion plans are the future of retail business.

Charles M. Smith III
Capital City Laundry
Montgomery, Alabama

Let's Hear From You . . .

We welcome your inquiries, your views about every phase of the laundry industry, your problems and your solutions to problems. Address letters to:

The Editor
Starchroom Laundry Journal
305 East 45th Street
New York 17, N. Y.

Reader Ends Search

To the Editor:

The 40-foot board with the historical scene in 3-D represents the culmination of a year's search for props.

The scene is authentic—our main street, Kansas Avenue, 1881, from a picture in the files of the State Historical Society.

The wagon is authentic, too; from a photo in our own files.

The horse—a harness-display model—is not only authentic but a rarity. We would have saved money by using a live model, and feeding it.

The display has evoked lots of publicity—newspaper and radio, plus word-of-mouth. At night the scene, adequately floodlighted, is quite a sight. Looks like a stage set.

John Ripley
Topeka, Kansas

...Star Performance in TEXAS...

by ELLIS FULL AUTOMATIC UNLOADING TYPE WASHERS

Everything is bigger and better in Texas. When the White Star Laundry of San Antonio built its new $250,000 plant, the latest type, modern time-saving equipment was installed throughout to insure maximum operating efficiency.

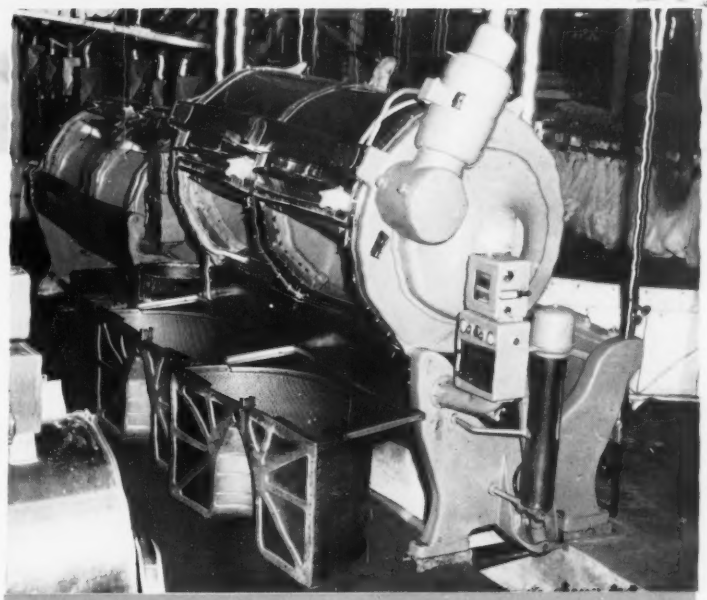
•

It is the washroom installation where the greatest saving in manpower is reported.

Here the new ELLIS equipment includes three 42" x 84" Open-Pocket Unloading-Type Washers with semi-automatic control, and one 54" Unloading Extractor.

•

As a result of the unloading feature, ease of control and faster washing, one man can do the work it took six men to accomplish in the company's old plant.



Showing the ELLIS Unloading Type Semi-Automatic Washers in the plant of White Star Laundry. Also includes 54" Extractor not shown.

ELLIS builds a full range of sizes in both Standard and Unloading Type AUTOMATIC WASHERS. The extra economies of these machines quickly pay for the original investment.

The ELLIS DRIER Co.

2444 NORTH CRAWFORD AVENUE

HEAVY DUTY CHICAGO ONE GRADE

Mr. George W. Kriegh, Pacific Coast Representative of The Ellis Drier Co., Pasadena, Cal.

REPAIR PARTS—We carry a complete stock of repair parts for machines formerly manufactured by General Laundry Machinery Company

YOU can save fuel the easy way

WITH

Cowles

ESCOLLOID

in your washing formulas, you save fuel
simply by doing a better job of washing

Cowles ESCOLLOID lets you
RINSE WITH COLD WATER

Saves Fuel • Saves Steam • Saves Hot Water

because ESCOLLOID washes better and rinses faster

Let your Cowles Technical Man show you how easy it is to set up a fuel-saving ESCOLLOID Cold-Rinse Formula. It's a simple formula—a powerful, dirt-loosening ESCOLLOID Break, a suds with neutral or built soap, one or two carry-over suds operations without supplies—then bleach and rinse. The ESCOLLOID Cold-Rinse Formula cuts your washroom costs, speeds up workflow, and you'll be prouder than ever of your washing quality.

Cowles **CHEMICAL COMPANY**

7016 Euclid Avenue • Cleveland 3, Ohio